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=> d l2 1-50

L2 ANSWER 1 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:92088 BIOSIS
DN PREV200000092088
TI Release of cytochrome c from mitochondria to cytosol in gerbil
hippocampal
CA1 neurons after transient forebrain ischemia.
AU Nakatsuka, Hiroki (1); Ohta, Shinsuke; Tanaka, Junya; Toku, Kazuko;
Kumon,
Yoshiaki; Maeda, Nobuji; **Sakanaka, Masahiro**; Sakaki, Saburo
CS (1) Department of Neurological Surgery, Ehime University School of
Medicine, Shigenobu-cho, Onsen-gun, Ehime, 791-0295 Japan
SO Brain Research, (Dec. 4, 1999) Vol. 849, No. 1-2, pp. 216-219.
ISSN: 0006-8993.
DT Article
LA English
SL English

L2 ANSWER 2 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:85552 BIOSIS
DN PREV200000085552
TI Changes in guanylate cyclase activity in arteriolar smooth muscle cells
and hemodynamics after ischemia-reperfusion in rats.
AU Hashimoto, Hisaki (1); Ohta, Shinsuke; Utsunomiya, Hiroshi; Kumon,
Yoshiaki; Sakaki, Saburo; Matsuda, Seiji; **Sakanaka, Masahiro**
CS (1) Department of Neurological Surgery, Ehime University School of
Medicine, Shigenobu-cho, Onsen-gun, Ehime, 791-0295 Japan
SO Acta Neuropathologica, (Dec., 1999) Vol. 98, No. 6, pp. 603-613.
ISSN: 0001-6322.
DT Article
LA English
SL English

L2 ANSWER 3 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 2000:9011 BIOSIS
DN PREV200000009011
TI Morphological differentiation of microglial cells in culture: Involvement of insoluble factors derived from astrocytes.
AU Tanaka, Junya (1); Toku, Kazuko; **Sakanaka, Masahiro**; Maeda, Nobuji
CS (1) Department of Physiology, School of Medicine, Ehime University, Shigenobu, Ehime, 791-0295 Japan
SO Neuroscience Research, (Sept., 1999) Vol. 34, No. 4, pp. 207-215. ISSN: 0168-0102.
DT Article
LA English
SL English

L2 ANSWER 4 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:424566 BIOSIS
DN PREV199900424566
TI Increase in p53 protein expression following cortical infarction in the spontaneously hypertensive rat.
AU Watanabe, Hideaki (1); Ohta, Shinsuke; Kumon, Yoshiaki; Sakaki, Saburo; **Sakanaka, Masahiro**
CS (1) Department of Neurological Surgery, Ehime University School of Medicine, Shigenobu-cho, Onsen-gun, 791-0295, Ehime Japan
SO Brain Research, (Aug. 7, 1999) Vol. 837, No. 1-2, pp. 38-45. ISSN: 0006-8993.
DT Article
LA English
SL English

L2 ANSWER 5 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:318034 BIOSIS
DN PREV199900318034
TI Differential expressions of glycine transporter 1 and three glutamate transporter mRNA in the hippocampus of gerbils with transient forebrain ischemia.
AU Fujita, Hiroko; Sato, Kohji (1); Wen, Tong-Chun; Peng, Yi; **Sakanaka, Masahiro**
CS (1) Department of Anatomy and Neuroscience, Ehime University School of Medicine, Shigenobu, Ehime, 791-0295 Japan
SO Journal of Cerebral Blood Flow and Metabolism, (June, 1999) Vol. 19, No. 6, pp. 604-615. ISSN: 0271-678X.
DT Article
LA English
SL English

L2 ANSWER 6 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:318025 BIOSIS
DN PREV199900318025
TI Transient increase in the expression of growth-associated protein-43 in the thalamus of spontaneously hypertensive rats with cortical infarction.
AU Kumon, Yoshiaki (1); Nakano, Kei; Watanabe, Hideaki; Ohta, Shinsuke; Sakaki, Saburo; Matsuda, Seiji; **Sakanaka, Masahiro**
CS (1) Department of Neurological Surgery, Ehime University School of Medicine, Shigenobu-cho, Onsen-gun, 791-0295, Ehime Japan
SO Biomedical Research (Tokyo), (Dec., 1998) Vol. 19, No. 6, pp. 391-399. ISSN: 0388-6107.
DT Article
LA English

SL English

L2 ANSWER 7 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:199951 BIOSIS
DN PREV199900199951
TI An 18-mer peptide fragment of prosaposin ameliorates place navigation disability, cortical infarction, and retrograde thalamic degeneration in rats with focal cerebral ischemia.
AU Igase, Keiji; Tanaka, Junya; Kumon, Yoshiaki; Zhang, Bo; Sadamoto, Yasutaka; Maeda, Nobuji; Sakaki, Saburo; **Sakanaka, Masahiro** (1)
CS (1) Department of Anatomy, Ehime University School of Medicine, Shigenobu, Ehime, 791 0295 Japan
SO ~~Journal of Cerebral Blood Flow and Metabolism, (March, 1999) Vol. 19, No. 3, pp. 298-306.~~
~~ISSN: 0271-678X.~~
DT Article
LA English

L2 ANSWER 8 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:180913 BIOSIS
DN PREV199900180913
TI Effects of basic fibroblast growth factor (bFGF)-neutralizing antibody and platelet factor 4 on facial nerve regeneration.
AU Chen, Yuh-Shyang; Murakami, Shingo (1); Gyo, Kiyofumi; Wakisaka, Hiroyuki; Matsuda, Seiji; **Sakanaka, Masahiro**
CS (1) Department of Otorhinolaryngology, Ehime University School of Medicine, Shigenobu, Ehime, 791-02 Japan
SO Experimental Neurology, (Feb., 1999) Vol. 155, No. 2, pp. 274-283.
ISSN: 0014-4886.
DT Article
LA English

L2 ANSWER 9 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:105190 BIOSIS
DN PREV199900105190
TI Neurons induce the activation of microglial cells in vitro.
AU Sudo, Satoko (1); Tanaka, Junya; Toku, Kazuko; Desaki, Junzo; Matsuda, Seiji; Arai, Tatsuru (1); **Sakanaka, Masahiro**; Maeda, Nobuji
CS (1) Dep. Anesthesiol. Resuscitol., Sch. Med., Ehime Univ., Shigenobu, Ehime 791-0295 Japan
SO Experimental Neurology, (Dec., 1998) Vol. 154, No. 2, pp. 499-510.
ISSN: 0014-4886.
DT Article
LA English

L2 ANSWER 10 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:48644 BIOSIS
DN PREV199900048644
TI Erythropoietin prevents place navigation disability and cortical infarction in rats with permanent occlusion of the middle cerebral artery.
AU Sadamoto, Yasutaka; Igase, Keiji; **Sakanaka, Masahiro**; Sato, Kohji; Otsuka, Hiroki; Sakaki, Saburo; Masuda, Seiji; Sasaki, Ryuzo (1)
CS (1) Division Applied Life Sciences, Graduate School Agriculture, Kyoto University, Kyoto 606-8502 Japan
SO Biochemical and Biophysical Research Communications, (Dec. 9, 1998) Vol. 253, No. 1, pp. 26-32.

ISSN: 0006-291X.

DT Article
LA English

L2 ANSWER 11 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1998:527620 BIOSIS
DN PREV199800527620
TI Differential expressions of glycine transporter 1 and three glutamate transporter mRNAs in the hippocampus of gerbils with transient forebrain ischemia.
AU Fujita, Hiroko; Sato, Kohji; **Sakanaka, Masahiro**
CS Dep. Second Anat., Sch. Med., Ehime Univ., Shigenobu, Ehime 791-0295 Japan
SO ~~Neuroscience Research Supplement, (1998) No. 22, pp. S91.~~
~~Meeting Info.: 21st Annual Meeting of the Japan Neuroscience Society and the First Joint Meeting of the Japan Neuroscience Society and the Japanese Society for Neurochemistry Tokyo, Japan September 21-23, 1998 Japan Neuroscience Society . ISSN: 0921-8696.~~

DT Conference
LA English

L2 ANSWER 12 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1998:499591 BIOSIS
DN PREV199800499591
TI Astrocytes modulate nitric oxide production by microglial cells through secretion of serine and glycine.
AU Yang, Lihua; Tanaka, Junya (1); Zhang, Bo; **Sakanaka, Masahiro**; Maeda, Nobuji
CS (1) Dep. Physiol., Sch. Med., Ehime Univ., Shigenobu, Ehime 791-0295 Japan
SO Biochemical and Biophysical Research Communications, (Oct. 9, 1998) Vol. 251, No. 1, pp. 277-282.
ISSN: 0006-291X.

DT Article
LA English

L2 ANSWER 13 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1998:451389 BIOSIS
DN PREV199800451389
TI Interleukin 3 prevents delayed neuronal death in the hippocampal CA1 field.
AU Wen, Tong-Chun; Tanaka, Junya; Peng, Hui; Desaki, Junzo; Matsuda, Seiji; Maeda, Nobuji; Fujita, Hiroko; Sato, Kohji; **Sakanaka, Masahiro** (1)
CS (1) Dep. Anat., Ehime Univ. Sch. Med., Shigenobu, Ehime 791-0295 Japan
SO Journal of Experimental Medicine, (Aug. 17, 1998) Vol. 188, No. 4, pp. 635-649.
ISSN: 0022-1007.

DT Article
LA English

L2 ANSWER 14 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1998:407241 BIOSIS
DN PREV199800407241
TI Microglial cells prevent nitric oxide-induced neuronal apoptosis in vitro.
AU Toku, Kazuko; Tanaka, Junya (1); Yano, Hajime; Desaki, Junzo; Zhang, Bo; Yang, Lihua; Ishihara, Ken; **Sakanaka, Masahiro**; Maeda, Nobuji
CS (1) Dep. Physiology, Sch. Med., Ehime Univ., Shigenobu, Ehime 791-0925

Japan

SO Journal of Neuroscience Research, (Aug. 15, 1998) Vol. 53, No. 4, pp. 415-425.
ISSN: 0360-4012.

DT Article

LA English

L2 ANSWER 15 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1998:349996 BIOSIS

DN PREV199800349996

TI Changes in protein synthesis and calcium homeostasis in the thalamus of spontaneously hypertensive rats with focal cerebral ischemia.

AU Watanabe, Hideaki (1); Kumon, Yoshiaki; Ohta, Shinsuke; ~~Sakaki, Saburo;~~
~~Matsuda, Seiji; Sakanaka, Masahiro~~

CS (1) Dep. Neurol. Surg., Ehime Univ. Sch. Med., Shigenobu-cho, Onsen-gun, 791-02 Ehime Japan

SO Journal of Cerebral Blood Flow and Metabolism, (June, 1998) Vol. 18, No. 6, pp. 686-696.
ISSN: 0271-678X.

DT Article

LA English

L2 ANSWER 16 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1998:231795 BIOSIS

DN PREV199800231795

TI In vivo evidence that erythropoietin protects neurons from ischemic damage.

AU **Sakanaka, Masahiro**; Wen, Tong-Chun; Matsuda, Seiji; Masuda, Seiji; Morishita, Emi; Nagao, Masaya; Sasaki, Ryuzo (1)

CS (1) Div. Applied Life Sci., Graduate Sch. Agric., Kyoto Univ., Kyoto 606-8502 Japan

SO Proceedings of the National Academy of Sciences of the United States of America, (April 14, 1998) Vol. 95, No. 8, pp. 4635-4640.
ISSN: 0027-8424.

DT Article

LA English

L2 ANSWER 17 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1998:231587 BIOSIS

DN PREV199800231587

TI Epidermal growth factor protects neuronal cells in vivo and in vitro against transient forebrain ischemia- and free radical-induced injuries.

AU Peng, Hui; Wen, Tong-Chun; Tanaka, Junya; Maeda, Nobuji; Matsuda, Seiji; Desaki, Junzo; Sudo, Satoko; Zhang, Bo; **Sakanaka, Masahiro** (1)

CS (1) Dep. Anat., Ehime Univ. Sch. Med., Shigenobu, Ehime 791-0295 Japan

SO Journal of Cerebral Blood Flow and Metabolism, (April, 1998) Vol. 18, No. 4, pp. 349-360.
ISSN: 0271-678X.

DT Article

LA English

L2 ANSWER 18 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1998:139203 BIOSIS

DN PREV199800139203

TI Adrenergic agonists suppress the proliferation of microglia through alpha2-adrenergic receptor.

AU Fujita, Hiroko; Tanaka, Junya (1); Maeda, Nobuji; **Sakanaka, Masahiro**

CS (1) Dep. Physiol., Sch. Med., Ehime Univ., Shigenobu, Onsen-gun, Ehime 791-0295 Japan

SO Neuroscience Letters, (Feb. 6, 1998) Vol. 242, No. 1, pp. 37-40.
ISSN: 0304-3940.

DT Article
LA English

L2 ANSWER 19 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1998:138670 BIOSIS
DN PREV199800138670
TI beta-Estradiol protects hippocampal CA1 neurons against transient
forebrain ischemia in gerbil.

AU Sudo, Satoko; Wen, Tong-Chun; Desaki, Junzo; Matsuda, Seiji; Tanaka,
Junya; Arai, Tatsuru; Maeda, Nobuji; **Sakanaka, Masahiro (1)**

CS (1) Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-0295 Japan

SO ~~Neuroscience Research, (Dec., 1997) Vol. 29, No. 4, pp. 345-354.~~
ISSN: 0168-0102.

DT Article
LA English

L2 ANSWER 20 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1998:138669 BIOSIS
DN PREV199800138669
TI Platelet-derived growth factor prevents ischemia-induced neuronal
injuries
in vivo.

AU Kawabe, Tadao; Wen, Tong-Chun; Matsuda, Seiji; Ishihara, Ken; Otsuda,
Hiroki; **Sakanaka, Masahiro (1)**

CS (1) Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan

SO Neuroscience Research, (Dec., 1997) Vol. 29, No. 4, pp. 335-343.
ISSN: 0168-0102.

DT Article
LA English

L2 ANSWER 21 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:518178 BIOSIS
DN PREV199799817381
TI Protective effect of a prostaglandin I-2 analog, TEI-7165, on ischemic
neuronal damage in gerbils.

AU Matsuda, Seiji; Wen, Tong-Chun; Karasawa, Yasuko; Araki, Hiroaki; Otsuka,
Hiroki; Ishihara, Ken; **Sakanaka, Masahiro (1)**

CS (1) Dep. Anatomy, Ehime Univ. Sch. Med. Shigenobu, Ehime 791-02 Japan

SO Brain Research, (1997) Vol. 769, No. 2, pp. 321-328.
ISSN: 0006-8993.

DT Article
LA English

L2 ANSWER 22 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:490318 BIOSIS
DN PREV199799789521
TI Protein synthesis inhibitor transiently reduces neuronal death in the
thalamus of spontaneously hypertensive rats following cortical
infarction.

AU Watanabe, Hideaki (1); Kumon, Yoshiaki; Ohta, Shinsuke; Nakano, Kei;
Sakaki, Saburo; Matsuda, Seiji; **Sakanaka, Masahiro**

CS (1) Dep. Neurological Surgery, Ehime Univ. Sch. Med., Shigenobu-cho,
Onsen-gun, Ehime 791-02 Japan

SO Neuroscience Letters, (1997) Vol. 233, No. 1, pp. 25-28.
ISSN: 0304-3940.

DT Article
LA English

L2 ANSWER 23 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:429788 BIOSIS
DN PREV199799728991
TI Trophic effect of interleukin-3 on hippocampal neurons in vivo and in vitro.
AU Wen, Tong-Chun; Tanaka, Junya; Maeda, Nobuji; Matsuda, Seiji;
Sakanaka, Masahiro
SO Neuroscience Research Supplement, (1997) Vol. 0, No. 21, pp. S262.
Meeting Info.: 20th Annual Meeting of the Japan Neuroscience Society
Sendai, Japan July 16-18, 1997
ISSN: 0921-8696.
DT Conference; Abstract
LA English

L2 ANSWER 24 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:429496 BIOSIS
DN PREV199799728699
TI Neurotrophic activity of prosaposin 18-MER peptide fragment.
AU Igase, Keiji (1); Matsuda, Seiji (1); Tanaka, Jyunya; **Sakanaka, Masahiro (1)**
CS (1) Dep. Anatomy Physiol., Ehime Univ., Shigenobu Japan
SO Neuroscience Research Supplement, (1997) Vol. 0, No. 21, pp. S160.
Meeting Info.: 20th Annual Meeting of the Japan Neuroscience Society
Sendai, Japan July 16-18, 1997
ISSN: 0921-8696.
DT Conference; Abstract
LA English

L2 ANSWER 25 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:429302 BIOSIS
DN PREV199799728505
TI Glycine and serine alter the morphology and function of microglial cells in vitro in a concentration-dependent fashion.
AU Fujita, Hiroko (1); Tanaki, Junya; Matsuda, Seiji (1); **Sakanaka, Masahiro (1)**; Maeda, Nobuji
CS (1) Dep. Physiol., Sch. Med., Ehime Univ., Shigenobu, Onsen-gun, Ehime 791-02 Japan
SO Neuroscience Research Supplement, (1997) Vol. 0, No. 21, pp. S90.
Meeting Info.: 20th Annual Meeting of the Japan Neuroscience Society
Sendai, Japan July 16-18, 1997
ISSN: 0921-8696.
DT Conference; Abstract
LA English

L2 ANSWER 26 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:429300 BIOSIS
DN PREV199799728503
TI Microglial cells protect neurons against free radical-induced injuries.
AU Tanaka, Junya (1); Fujita, Hiroko; Sudo, Satoko; Matsuda, Seiji;
Sakanaka, Masahiro; Maeda, Nobuji (1)
CS (1) Dep. Physiol., Sch. Med., Ehime Univ., Ehime Japan
SO Neuroscience Research Supplement, (1997) Vol. 0, No. 21, pp. S90.
Meeting Info.: 20th Annual Meeting of the Japan Neuroscience Society
Sendai, Japan July 16-18, 1997
ISSN: 0921-8696.
DT Conference; Abstract
LA English

L2 ANSWER 27 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:429299 BIOSIS

DN PREV199799728502
TI Effect of extracellular matrix proteins on the morphology of rat cultured microglia.
AU Matsuda, Seiji (1); Tanaka, Junya; **Sakanaka, Masahiro** (1); Maeda, Nobuji
CS (1) Dep. Anatomy, Sch. Med., Ehime Univ. Shigenobu, Onsen-gun, Ehime 791-02 Japan
SO Neuroscience Research Supplement, (1997) Vol. 0, No. 21, pp. S89.
Meeting Info.: 20th Annual Meeting of the Japan Neuroscience Society Sendai, Japan July 16-18, 1997
ISSN: 0921-8696.
DT Conference; Abstract
LA English

L2 ANSWER 28 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:429298 BIOSIS
DN PREV199799728501
TI Beta-Adrenergic receptor agonists- and cAMP-mediated suppression of proliferation of microglial cells in culture.
AU **Sakanaka, Masahiro** (1); Fujita, Hiroko (1); Tanaka, Junya; Matsuda, Seiji (1); Maeda, Nobuji
CS (1) Dep. Anatomy, Sch. Med., Ehime Univ., Ehime Japan
SO Neuroscience Research Supplement, (1997) Vol. 0, No. 21, pp. S89.
Meeting Info.: 20th Annual Meeting of the Japan Neuroscience Society Sendai, Japan July 16-18, 1997
ISSN: 0921-8696.
DT Conference; Abstract
LA English

L2 ANSWER 29 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:429278 BIOSIS
DN PREV199799728481
TI Neurons affect the function of microglial cells.
AU Sudo, Satoko (1); Tanaka, Junya; Fujita, Hiroko; Matsuda, Seiji; **Sakanaka, Masahiro**; Maeda, Nobuji (1)
CS (1) Dep. Anesthesiol., Sch. Med., Ehime Univ. Shigenobu, Onsen-gun, Ehime 791-02 Japan
SO Neuroscience Research Supplement, (1997) Vol. 0, No. 21, pp. S82.
Meeting Info.: 20th Annual Meeting of the Japan Neuroscience Society Sendai, Japan July 16-18, 1997
ISSN: 0921-8696.
DT Conference; Abstract
LA English

L2 ANSWER 30 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:363552 BIOSIS
DN PREV199799655485
TI Suppression by platelet factor 4 of the myogenic activity of basic fibroblast growth factor.
AU Peng, Hui; Wen, Tong-Chun; Igase, Keiji; Tanaka, Junya; Matsuda, Seiji; Aburaya, Junko; **Sakanaka, Masahiro** (1)
CS (1) Dep. Anat., Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Archives of Histology and Cytology, (1997) Vol. 60, No. 2, pp. 163-174.
ISSN: 0914-9465.
DT Article
LA English

L2 ANSWER 31 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:316969 BIOSIS
DN PREV199799607457

TI Expression of basis fibroblast growth factor-like immunoreactivity in the nuclei of regenerating hepatocytes.
AU Kushihata, Fumiki; Matsuda, Seiji; Sano, Akira; Aburaya, Junko; Shimahara, Yasuyuki; Kobayashi, Nobuaki; **Sakanaka, Masahiro (1)**
CS (1) Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Cell & Tissue Research, (1997) Vol. 288, No. 3, pp. 517-527.
ISSN: 0302-766X.
DT Article
LA English

L2 ANSWER 32 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:236427 BIOSIS
DN ~~PREV199799535630~~

TI Ginsenoside Rb1 prevents space navigation disability, cortical infarction and thalamic degeneration in rats with focal cerebral ischemia.
AU **Sakanaka, Masahiro**; Matsuda, Seiji
CS Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Japanese Journal of Pharmacology, (1997) Vol. 73, No. SUPPL. 1, pp. 271P.

Meeting Info.: 70th Annual Meeting of the Japanese Pharmacological Society
Chiba, Japan March 22-25, 1997
ISSN: 0021-5198.
DT Conference; Abstract; Conference
LA English

L2 ANSWER 33 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:236426 BIOSIS
DN PREV199799535629

TI Protection of ischemic hippocampal neurons by ginsenoside Rb1, a main ingredient of ginseng root.
AU Matsuda, Seiji; **Sakanaka, Masahiro**
CS Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime Japan
SO Japanese Journal of Pharmacology, (1997) Vol. 73, No. SUPPL. 1, pp. 271P.

Meeting Info.: 70th Annual Meeting of the Japanese Pharmacological Society
Chiba, Japan March 22-25, 1997
ISSN: 0021-5198.
DT Conference; Abstract; Conference
LA English

L2 ANSWER 34 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:160578 BIOSIS
DN PREV199799459781

TI Perikaryal projections of developing spinal ganglion neurons in the chick demonstrated by scanning electron microscopy.
AU Matsuda, Seiji (1); Desaki, Junzo; Aburaya, Junko; **Sakanaka, Masahiro**
CS (1) Dep. Anat., Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Anatomy and Embryology, (1997) Vol. 195, No. 2, pp. 137-146.
ISSN: 0340-2061.
DT Article
LA English

L2 ANSWER 35 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:32213 BIOSIS
DN PREV199799338616

TI Persistent c-fos expression in the brains of mice with chronic social

stress.

AU Matsuda, Seiji (1); Peng, Hui; Yoshimura, Hiroyuki; Wen, Tong-Chun; Fukuda, Tamotsu; **Sakanaka, Masahiro**

CS (1) Dep. Anat., Ehime Univ. Sch. Med., Shigenobu, Onsen-gun, Ehime 791-02 Japan

SO Neuroscience Research, (1996) Vol. 26, No. 2, pp. 157-170.
ISSN: 0168-0102.

DT Article

LA English

L2 ANSWER 36 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1996:272230 BIOSIS

DN PREV199698828359

TI ~~A hydrophilic peptide comprising 18 amino acid residues of the prosaposin~~
sequence has neurotrophic activity in vitro and in vivo.

AU Kotani, Yasunori; Matsuda, Seiji; Wen, Tong-Chun; **Sakanaka, Masahiro**; Tanaka, Junya; Maeda, Nobuji; Kondoh, Keiji; Ueno, Shu-Ichi; Sano, Akira (1)

CS (1) Dep. Neuropsychiatry, Ehime Univ. Sch. Med., Shigenobu, Onsen-gun, Ehime 791-02 Japan

SO Journal of Neurochemistry, (1996) Vol. 66, No. 5, pp. 2197-2200.
ISSN: 0022-3042.

DT Article

LA English

L2 ANSWER 37 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1996:272215 BIOSIS

DN PREV199698828344

TI Prosaposin facilitates sciatic nerve regeneration in vivo.

AU Kotani, Yasunori; Matsuda, Seiji; **Sakanaka, Masahiro**; Kondoh, Keiji; Ueno, Shu-Ichi; Sano, Akira (1)

CS (1) Dep. Neuropsychiatry, Ehime Univ. Sch. Med., Shigenobu, Onsen-gun, Ehime 791-02 Japan

SO Journal of Neurochemistry, (1996) Vol. 66, No. 5, pp. 2019-2025.
ISSN: 0022-3042.

DT Article

LA English

L2 ANSWER 38 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1996:191509 BIOSIS

DN PREV199698747638

TI Ciliary neurotrophic factor attenuates spatial cognition impairment, cortical infarction and thalamic degeneration in spontaneously hypertensive rats with focal cerebral ischemia.

AU Kumon, Yoshiaki (1); Sakaki, Saburo; Watanabe, Hideaki; Nakano, Kei; Ohta, Shinsuke; Matsuda, Seiji; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**

CS (1) Dep. Neurosurgery, Ehime Univ. Sch. Med., Shigenobu-cho, Ehime 791-02 Japan

SO Neuroscience Letters, (1996) Vol. 206, No. 2-3, pp. 141-144.
ISSN: 0304-3940.

DT Article

LA English

L2 ANSWER 39 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1996:191444 BIOSIS

DN PREV199698747573

TI Spatial learning disability in rats with focal cerebral ischemia recovers by repeating Morris water maze tests.

AU Kumon, Yoshiaki (1); Sakaki, Saburo (1); Ueda, Toshihiro (1); Ohta,

Shinsuke (1); Matsuda, Seiji; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**
 CS (1) Dep. Neurological Surgery, Ehime Univ. Sch. Med., Shigenobucho, Ehime 791-02 Japan
 SO Biomedical Research (Tokyo), (1995) Vol. 16, No. 6, pp. 423-431.
 ISSN: 0388-6107.
 DT Article
 LA English

L2 ANSWER 40 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1996:127248 BIOSIS
 DN PREV199698699383
 TI Interleukin-6 prevents ischemia-induced learning disability and neuronal and synaptic loss in gerbils.

AU Matsuda, Seiji (1); Wen, Tong-Chun; Morita, Fumio; Otsuka, Hiroki; Igase, Keiji; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**
 CS (1) Dep. Anat., Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
 SO Neuroscience Letters, (1996) Vol. 204, No. 1-2, pp. 109-112.
 ISSN: 0304-3940.
 DT Article
 LA English

L2 ANSWER 41 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1996:111955 BIOSIS
 DN PREV199698684090
 TI Origins of nitric oxide synthase-containing nerve fibers in the rat basilar artery with reference to the fine structure of the nerve fibers.
 AU Kadota, Osamu (1); Matsuda, Seiji; Ohta, Shinsuke; Kumon, Yoshiaki; Sakaki, Saburo; **Sakanaka, Masahiro**
 CS (1) Dep. Neurol. Surg., Ehime Univ. Sch. Med., Shigenobu-cho, Onsen-gun, Ehime 791-02 Japan
 SO Brain Research, (1996) Vol. 706, No. 1, pp. 129-136.
 ISSN: 0006-8993.
 DT Article
 LA English

L2 ANSWER 42 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1996:64484 BIOSIS
 DN PREV199698636619
 TI The role of remaining presynaptic terminals in the hippocampal CA1 after selective neuronal death: Ischemia-induced glutamate efflux.
 AU Mitani, Akira (1); Matsuda, Seiji; Yamamoto, Hiroshi; **Sakanaka, Masahiro**; Kataoka, Kiyoshi
 CS (1) Dep. Physiol., Ehime Univ. Sch. Med., Shigenobu, Onsen-gun, Ehime 791-02 Japan
 SO Acta Neuropathologica, (1996) Vol. 91, No. 1, pp. 41-46.
 ISSN: 0001-6322.
 DT Article
 LA English

L2 ANSWER 43 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1996:64482 BIOSIS
 DN PREV199698636617
 TI Ginseng root prevents learning disability and neuronal loss in gerbils with 5-minute forebrain ischemia.
 AU Wen, Tong-Chun; Yoshimura, Hiroyuki; Matsuda, Seiji; Lim, Jong-Hak; **Sakanaka, Masahiro (1)**
 CS (1) Dep. Anat., Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
 SO Acta Neuropathologica, (1996) Vol. 91, No. 1, pp. 15-22.
 ISSN: 0001-6322.

DT Article
LA English

L2 ANSWER 44 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1996:25929 BIOSIS
DN PREV199698598064
TI Study of alpiniae fructus. I. Pharmacological evidence of efficacy of alpiniae fructus on ancient herbal literature.
AU Kubo, Michinori (1); Matsuda, Hideaki; Suo, Toshiaki; Yamanaka, Jun; **Sakanaka, Masahiro**; Yoshimura, Masayuki
CS (1) Fac. Pharm. Sci., Kinki Univ., 3-4-1 Kowakae, Higashiosaka, Osaka 577 Japan
SO Yakugaku Zasshi, (1995) Vol. 115, No. 10, pp. 852-862.
~~ISSN: 0031-6903.~~

DT Article
LA Japanese
SL English

L2 ANSWER 45 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1996:17411 BIOSIS
DN PREV199698589546
TI Role of basic fibroblast growth factor in the regulation of rat basilar artery tone in vivo.
AU Kadota, Osamu (1); Ohta, Shinsuke; Kumon, Yoshiaki; Sakaki, Saburo; Matsuda, Seiji; **Sakanaka, Masahiro**
CS (1) Dep. Neurological Surg., Ehime Univ. Sch. Med., Shigenobu-cho, Onsen-gun, Ehime 791-02 Japan
SO Neuroscience Letters, (1995) Vol. 199, No. 2, pp. 99-102.
ISSN: 0304-3940.

DT Article
LA English

L2 ANSWER 46 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1995:440090 BIOSIS
DN PREV199598454390
TI Morphological changes of neuromuscular junctions in the dystrophic (dy) mouse: A scanning and transmission electron microscopic study.
AU Desaki, Junzo; Matsuda, Seiji; **Sakanaka, Masahiro**
CS Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Journal of Electron Microscopy, (1995) Vol. 44, No. 2, pp. 59-65.
ISSN: 0022-0744.

DT Article
LA English

L2 ANSWER 47 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1995:308597 BIOSIS
DN PREV199598322897
TI Ciliary neurotrophic factor prevents ischemia-induced learning disability and neuronal loss in gerbils.
AU Wen, Tong-Chun (1); Matsuda, Seijii; Yoshimura, Hiroyuki; Kawabe, Tadao; **Sakanaka, Masahiro**
CS (1) Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Neuroscience Letters, (1995) Vol. 191, No. 1-2, pp. 55-58.
ISSN: 0304-3940.

DT Article
LA English

L2 ANSWER 48 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1995:302369 BIOSIS
DN PREV199598316669

TI Effect of dietary NaCl on tyrosine hydroxylase in the superior cervical ganglia of Dahl rats.
AU Nagae, Akihiro; Kohara, Katsuhiko; Iwata, Takeru; Matsuda, Seiji; **Sakanaka, Masahiro**; Hiwada, Kunio (1)
CS (1) Second Dep. Intern. Med., Ehime Univ. Sch. Med., Shigenobu-cho, Onsen-gun, Ehime 791-02 Japan
SO Neuroscience Letters, (1995) Vol. 190, No. 1, pp. 13-16.
ISSN: 0304-3940.
DT Article
LA English

L2 ANSWER 49 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1995:259311 BIOSIS
DN PREV199598273611

TI Protective effect of catecholestrogen on injury caused by 60Co-irradiation in mice.
AU Tomatsu, Akira; Nakanishi, Masami; **Sakanaka, Masahiro**; Komura, Sadaaki; Ohishi, Nobuko; Yagi, Kunio (1)
CS (1) Inst. Applied Biochem., Yagi Meml. Park, Mitake, Gifu 505-01 Japan
SO Journal of Clinical Biochemistry and Nutrition, (1995) Vol. 18, No. 1, pp. 49-54.
ISSN: 0912-0009.
DT Article
LA English

L2 ANSWER 50 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1995:244010 BIOSIS
DN PREV199598258310
TI Ginseng root's ability to prevent learning disability and neuronal loss in normothermic gerbils with 5-min forebrain ischemia.
AU **Sakanaka, Masahiro** (1); Wen, Tong-Chun (1); Yoshimura, Hiroyuki; Matsuda, Seiji (1)
CS (1) Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Japanese Journal of Pharmacology, (1995) Vol. 67, No. SUPPL. 1, pp. 297P.
Meeting Info.: 68th Annual Meeting of the Japanese Pharmacological Society
Nagoya, Japan March 25-28, 1995
ISSN: 0021-5198.
DT Conference
LA English

=> d 12 51-100

L2 ANSWER 51 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1995:38194 BIOSIS
DN PREV199598052494
TI Origin of ischemia-induced glutamate efflux in the CA1 field of the gerbil hippocampus: An in vivo brain microdialysis study.
AU Mitani, Akira (1); Andou, Yasushi; Matsuda, Seiji; Arai, Tatsuru; **Sakanaka, Masahiro**; Kataoka, Kiyoshi
CS (1) Dep. Physiol., Sch. Med., Ehime Univ., Shigenobu, Onsen-gun, Ehime 791-02 Japan
SO Journal of Neurochemistry, (1994) Vol. 63, No. 6, pp. 2152-2164.
ISSN: 0022-3042.

DT Article
LA English

L2 ANSWER 52 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1995:25845 BIOSIS
DN PREV199598040145
TI Protection by prosaposin against ischemia-induced learning disability and neuronal loss.
AU Sano, Akira (1); Matsuda, Seiji; Wen, Tong-Chun; Kotani, Yasunori; Kondoh, Keiji; Ueno, Shu-Ichi; Kakimoto, Yasuo; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**
CS (1) Dep. Neuropsychiatry, Ehime Univ. Sch. Medicine, Shigenobu, Onsen-gun, Ehime 791-02 Japan

SO Biochemical and Biophysical Research Communications, (1994) Vol. 204, No. 2, pp. 994-1000.
ISSN: 0006-291X.

DT Article
LA English

L2 ANSWER 53 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1994:503077 BIOSIS
DN PREV199497516077
TI Basic fibroblast growth factor-like immunoreactivity in the rat basilar artery with reference to co-localization with NADPH-diaphorase in the trigeminal ganglion.
AU Kadota, Osamu (1); Ohta, Shinsuke; Kumon, Yoshiaki; Sakaki, Saburo; Matsuda, Seiji; **Sakanaka, Masahiro**
CS (1) Dep. Neurological Surg., Ehime Univ. Sch. Med., Shigenobu-cho, Onsen-gun, Ehime 791-02 Japan
SO Neuroscience Letters, (1994) Vol. 178, No. 2, pp. 201-205.
ISSN: 0304-3940.

DT Article
LA English

L2 ANSWER 54 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1994:439639 BIOSIS
DN PREV199497452639
TI Progressive reorganization of the myenteric plexus during one year following reanastomosis of the ileum of the guinea pig.
AU Tokui, Kazuyoshi (1); **Sakanaka, Masahiro**; Kimura, Shigeru
CS (1) Dep. Surg., Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Cell and Tissue Research, (1994) Vol. 277, No. 2, pp. 259-272.
ISSN: 0302-766X.

DT Article
LA English

L2 ANSWER 55 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1994:223991 BIOSIS
DN PREV199497236991
TI Localization with a digoxigenin-labeled cRNA probe of basic fibroblast growth factor mRNA in dystrophic (MDX) mouse masseter muscle and rat hair follicles.
AU Uryu, Kunihiro; Iwata, Hiroshi; Yoshida, Shigetaka; Shiosaka, Sadao; Matsuda, Seiji; **Sakanaka, Masahiro** (1)
CS (1) Dep. Anatomy, Ehime University School Medicine, Shitsukawa, Shigenobu, Ehime 791-02 Japan
SO Acta Histochemica et Cytochemica, (1993) Vol. 26, No. 5, pp. 381-389.

ISSN: 0044-5991.

DT Article
LA English

L2 ANSWER 56 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1994:125743 BIOSIS
DN PREV199497138743
TI Changes in Ca++-ATPase activity in smooth-muscle cell membranes of the canine basilar artery with experimental subarachnoid hemorrhage.
AU Wang, Jinze (1); Ohta, Shinsuke; Sakaki, Saburo; Araki, Nobukazu; Matsuda, Seiji; **Sakanaka, Masahiro**
CS (1) Dep. Neurol. Surg., Ehime Univ. Sch. Med., Shigenobu-cho, Onsen, Ehime
791-02 Japan

SO Journal of Neurosurgery, (1994) Vol. 80, No. 2, pp. 269-275.
ISSN: 0022-3085.

DT Article
LA English

L2 ANSWER 57 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1994:100272 BIOSIS
DN PREV199497113272
TI Localization of basic fibroblast growth factor and its mRNA in the rat trigeminal sensory system and peri-oral skin with vibrissae.
AU **Sakanaka, Masahiro**; Matsuda, Seiji
CS Dep. Anat., Ehime Univ., Shigenobu, Ehime 791-02 Japan
SO Neuroscience Research Supplement, (1993) Vol. 0, No. 18, pp. S69.
Meeting Info.: 17th Annual Meeting of the Japan Neuroscience Society Nagoya, Japan December 7-9, 1993
ISSN: 0921-8696.

DT Conference
LA English

L2 ANSWER 58 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1994:100255 BIOSIS
DN PREV199497113255
TI Development of Purkinje cell bodies and processes with basic fibroblast growth factor.
AU Matsuda, Seiji; **Sakanaka, Masahiro**
CS Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Neuroscience Research Supplement, (1993) Vol. 0, No. 18, pp. S64.
Meeting Info.: 17th Annual Meeting of the Japan Neuroscience Society Nagoya, Japan December 7-9, 1993
ISSN: 0921-8696.

DT Conference
LA English

L2 ANSWER 59 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:484517 BIOSIS
DN PREV199396118117
TI Light- and electron-microscopic localization of basic fibroblast growth factor in adult rat retina.
AU Morimoto, Akihiro; Matsuda, Seiji; Uryu, Kunihiro; Fujita, Hiroko; Okumura, Nobuaki; **Sakanaka, Masahiro** (1)
CS (1) Dep. Anat., Ehime Univ. Sch. Med., Shigenobu, Onsen-gun, Ehime 791-02 Japan
SO Okajimas Folia Anatomica Japonica, (1993) Vol. 70, No. 1, pp. 7-12.
ISSN: 0030-154X.

DT Article

LA English

L2 ANSWER 60 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:457841 BIOSIS
DN PREV199396102741
TI Distribution of prosaposin-like immunoreactivity in rat brain.
AU Kondoh, Keiji (1); Sano, Akira; Kakimoto, Yasuo; Matsuda, Seiji;
Sakanaka, Masahiro
CS (1) Dep. Neuropsychiatry, Ehime Univ. Sch. Med., Shigenobu, Onsen-gun,
Ehime 791-02 Japan
SO Journal of Comparative Neurology, (1993) Vol. 334, No. 4, pp. 590-602.
ISSN: 0021-9967.
DT Article
LA English

L2 ANSWER 61 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:435928 BIOSIS
DN PREV199396090553
TI Localization of basic fibroblast growth factor (bFGF)-like
immunoreactivity in neural circuits innervating the gastrocnemius muscle,
with reference to the direction of bFGF transport.
AU Otsuka, Hiroki; Matsuda, Seiji; Fujita, Hiroko; Matsuda, Yoshiro;
Shibata,
Taiho; Uryu, Kunihiro; **Sakanaka, Masahiro** (1)
CS (1) Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Archives of Histology and Cytology, (1993) Vol. 56, No. 2, pp. 207-215.
ISSN: 0914-9465.
DT Article
LA English

L2 ANSWER 62 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:386808 BIOSIS
DN PREV199396062108
TI An immunohistochemical study of basic fibroblast growth factor in the
developing chick.
AU Funakoshi, Yuko; Matsuda, Seiji (1); Uryu, Kunihiro; Fujita, Hiroko;
Okumura, Nobuaki; **Sakanaka, Masahiro**
CS (1) Dep. Anat., Ehime Univ. Sch. Med., Onsen-gun, Shigenobu, Ehime 791-02
Japan
SO Anatomy and Embryology, (1993) Vol. 187, No. 5, pp. 415-423.
ISSN: 0340-2061.
DT Article
LA English

L2 ANSWER 63 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:366479 BIOSIS
DN PREV199396052154
TI Basic fibroblast growth factor-like immunoreactivity in the rat
trigeminal
sensory system and peri-oral skin with vibrissae.
AU Okada, Katsutoshi; Matsuda, Seiji; Il, Yasuko; Okumura, Nobuaki; Uryu,
Kunihiro; Fujita, Hiroko; **Sakanaka, Masahiro** (1)
CS (1) Dep. Anat., Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Cell & Tissue Research, (1993) Vol. 272, No. 3, pp. 417-427.
ISSN: 0302-766X.
DT Article
LA English

L2 ANSWER 64 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:301607 BIOSIS

DN PREV199396019832
TI Immunolectron microscopic localization of basic FGF in neuroglia and
neurons of the trigeminal mesencephalic and motor nuclei.
AU Matsuda, Seiji (1); Fujita, Hiroko; Imaoka, Shingi; Okumura, Nobuaki;
Sakanaka, Masahiro
CS (1) Dep. Anat., Ehime Univ. Sch. Med., Onsen-gun, Shigenobu, Ehime 791-02
Japan
SO Okajimas Folia Anatomica Japonica, (1993) Vol. 69, No. 6, pp. 335-343.
ISSN: 0030-154X.
DT Article
LA English

L2 ANSWER 65 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:231809 BIOSIS

DN PREV199395122984
TI Transient increase in endogenous basic fibroblast growth factor in
neurons
of ischemic rat brains.
AU Kumon, Yoshiaki (1); Sakaki, Saburo; Kadota, Osamu; Matsuda, Seiji;
Fujita, Hiroko; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**
CS (1) Dep. Neurol. Surg., Ehime Univ. Sch. Med., Shigenobu-cho, Onsen-gun,
Ehime 791-02 Japan
SO Brain Research, (1993) Vol. 605, No. 1, pp. 169-174.
ISSN: 0006-8993.
DT Article
LA English

L2 ANSWER 66 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:162500 BIOSIS
DN PREV199395083550
TI Distribution and possible origins of substance P-containing nerve fibers
in the rat liver.
AU Inoue, Naomi; Sakai, Hisashi; Magari, Sumiko; **Sakanaka, Masahiro**
(1)
CS (1) Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Annals of Anatomy, (1992) Vol. 174, No. 6, pp. 557-560.
ISSN: 0940-9602.
DT Article
LA English

L2 ANSWER 67 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:119536 BIOSIS
DN PREV199395063636
TI Immunolectron microscopic localization of basic fibroblast growth factor
in the dystrophic mdx mouse masseter muscle.
AU Matsuda, Seiji; Desaki, Junzo; Fujita, Hiroko; Okumura, Nobuaki;
Sakanaka, Masahiro (1)
CS (1) Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SO Cell & Tissue Research, (1992) Vol. 270, No. 3, pp. 569-576.
ISSN: 0302-766X.
DT Article
LA English

L2 ANSWER 68 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 2000:444949 CAPLUS
DN 133:320511
TI Differential expressions of glycine transporter 1 and three glutamate
transporter mRNA in the hippocampus of gerbils with transient forebrain
ischemia
AU Fujita, Hiroko; Sato, Kohji; Wen, Tong-Chun; Peng, Yi; **Sakanaka,**

Masahiro

CS Department of Anatomy and Neuroscience, Ehime University School of
Medicine, Ehime, 791-0295, Japan
SO Journal of Cerebral Blood Flow and Metabolism (1999), 19(6), 604-615
CODEN: JCBMDN; ISSN: 0271-678X
PB Lippincott Williams & Wilkins
DT Journal
LA English
RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 69 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1999:724225 CAPLUS
DN 132:263508

TI Changes in guanylate cyclase activity in arteriolar smooth muscle cells
and hemodynamics after ischemia-reperfusion in rats
AU Hashimoto, H.; Ohta, Shinsuke; Utsunomiya, Hiroshi; Kumon, Yoshiaki;
Sakaki, Saburo; Matsuda, Seiji; **Sakanaka, Masahiro**
CS Department of Neurological Surgery, Ehime University School of Medicine,
Onsen-gun, Ehime, 791-0295, Japan
SO Acta Neuropathologica (1999), 98(6), 603-613
CODEN: ANPTAL; ISSN: 0001-6322
PB Springer-Verlag
DT Journal
LA English
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 70 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1999:574748 CAPLUS
DN 131:255893
TI Increase in p53 protein expression following cortical infarction in the
spontaneously hypertensive rat
AU Watanabe, Hideaki; Ohta, Shinsuke; Kumon, Yoshiaki; Sakaki, Saburo;
Sakanaka, Masahiro
CS Department of Neurological Surgery, Ehime University School of Medicine,
Ehime, 791-0295, Japan
SO Brain Research (1999), 837(1,2), 38-45
CODEN: BRREAP; ISSN: 0006-8993
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 71 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1999:288885 CAPLUS
DN 131:72253
TI Transient increase in the expression of growth-associated protein-43 in
the thalamus of spontaneously hypertensive rats with cortical infarction
AU Kumon, Yoshiaki; Nakano, Kei; Watanabe, Hideaki; Ohta, Shinsuke; Sakaki,
Saburo; Matsuda, Seiji; **Sakanaka, Masahiro**
CS Department of Neurological Surgery, Ehime University School of Medicine,
Ehime, 791-0295, Japan
SO Biomedical Research (1998), 19(6), 391-399
CODEN: BRES55; ISSN: 0388-6107
PB Biomedical Research Press
DT Journal
LA English
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 72 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1999:246577 CAPLUS
 DN 131:97404
 TI An 18-mer peptide fragment of prosaposin ameliorates place navigation disability, cortical infarction, and retrograde thalamic degeneration in rats with focal cerebral ischemia
 AU Igase, Keiji; Tanaka, Junya; Kumon, Yoshiaki; Zhang, Bo; Sadamoto, Yasutaka; Maeda, Nobuji; Sakaki, Saburo; **Sakanaka, Masahiro**
 CS Department of Anatomy, Ehime University School of Medicine, Ehime, 791 0295, Japan
 SO Journal of Cerebral Blood Flow and Metabolism (1999), 19(3), 298-306
~~CODEN: JCBMDN; ISSN: 0271-678X~~
 PB Lippincott Williams & Wilkins
 DT Journal
 LA English
 RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 73 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1999:160586 CAPLUS
 DN 131:28253
 TI Effects of basic fibroblast growth factor (bFGF)-neutralizing antibody and platelet factor 4 on facial nerve regeneration
 AU Chen, Yuh-Shyang; Murakami, Shingo; Gyo, Kiyofumi; Wakisaka, Hiroyuki; Matsuda, Seiji; **Sakanaka, Masahiro**
 CS Department of Otorhinolaryngology, School of Medicine, Ehime University, Shigenobu, 791-02, Japan
 SO Experimental Neurology (1999), 155(2), 274-283
 CODEN: EXNEAC; ISSN: 0014-4886
 PB Academic Press
 DT Journal
 LA English
 RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 74 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:810195 CAPLUS
 DN 130:134506
 TI Erythropoietin prevents place navigation disability and cortical infarction in rats with permanent occlusion of the middle cerebral artery
 AU Sadamoto, Yasutaka; Igase, Keiji; **Sakanaka, Masahiro**; Sato, Kohji; Otsuka, Hiroki; Sakaki, Saburo; Masuda, Seiji; Sasaki, Ryuzo
 CS Department of Anatomy, Ehime University School of Medicine, Ehime, 791-0295, Japan
 SO Biochemical and Biophysical Research Communications (1998), 253(1), 26-32
 CODEN: BBRCA9; ISSN: 0006-291X
 PB Academic Press
 DT Journal
 LA English
 RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 75 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:696165 CAPLUS
 DN 130:36108
 TI Astrocytes modulate nitric oxide production by microglial cells through secretion of serine and glycine

AU Yang, Lihua; Tanaka, Junya; Zhang, Bo; **Sakanaka, Masahiro**;
Maeda, Nobuji
CS Department of Anatomy, School of Medicine, Ehime University Shigenobu,
Ehime, 791-0295, Japan
SO Biochemical and Biophysical Research Communications (1998), 251(1),
277-282
CODEN: BBRCA9; ISSN: 0006-291X
PB Academic Press
DT Journal
LA English
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 76 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1998:554624 CAPLUS
DN 129:259214
TI Interleukin 3 prevents delayed neuronal death in the hippocampal CA1
field
AU Wen, Tong-Chun; Tanaka, Junya; Peng, Hui; Desaki, Junzo; Matsuda, Seiji;
Maeda, Nobuji; Fujita, Hiroko; Sato, Kohji; **Sakanaka, Masahiro**
CS Department of Anatomy, Ehime University School of Medicine, Ehime,
791-0295, Japan
SO J. Exp. Med. (1998), 188(4), 635-649
CODEN: JEMEAV; ISSN: 0022-1007
PB Rockefeller University Press
DT Journal
LA English

L2 ANSWER 77 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1998:503278 CAPLUS
DN 129:214784
TI Microglial cells prevent nitric oxide-induced neuronal apoptosis in vitro
AU Toku, Kazuko; Tanaka, Junya; Yano, Hajime; Desaki, Junzo; Zhang, Bo;
Yang, Lihua; Ishihara, Ken; **Sakanaka, Masahiro**; Maeda, Nobuji
CS Department of Physiology, School of Medicine, Ehime University, Ehime,
Japan
SO J. Neurosci. Res. (1998), 53(4), 415-425
CODEN: JNREDK; ISSN: 0360-4012
PB Wiley-Liss, Inc.
DT Journal
LA English

L2 ANSWER 78 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1998:399997 CAPLUS
DN 129:173977
TI Changes in protein synthesis and calcium homeostasis in the thalamus of
spontaneously hypertensive rats with focal cerebral ischemia
AU Watanabe, Hideaki; Kumon, Yoshiaki; Ohta, Shinsuke; Sakaki, Saburo;
Matsuda, Seiji; **Sakanaka, Masahiro**
CS Department of Neurological Surgery, Ehime University School of Medicine,
Ehime, 791-02, Japan
SO J. Cereb. Blood Flow Metab. (1998), 18(6), 686-696
CODEN: JCBMDN; ISSN: 0271-678X
PB Lippincott-Raven Publishers
DT Journal
LA English

L2 ANSWER 79 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1998:270605 CAPLUS

DN 129:50003
TI Epidermal growth factor protects neuronal cells in vivo and in vitro
against transient forebrain ischemia- and free radical-induced injuries
AU Peng, Hui; Wen, Tong-Chun; Tanaka, Junya; Maeda, Nobuji; Matsuda, Seiji;
Desaki, Junzo; Sudo, Satoko; Zhang, Bo; **Sakanaka, Masahiro**
CS Department of Anatomy, School of Medicine, Ehime University, Shigenobu,
Ehime, Japan
SO Journal of Cerebral Blood Flow and Metabolism (1998), 18(4), 349-360
CODEN: JCBMDN; ISSN: 0271-678X
PB Lippincott-Raven Publishers
DT Journal
LA English

L2 ANSWER 80 OF 147 CAPLUS COPYRIGHT 2002 ACS

AN 1998:267334 CAPLUS

DN 129:12923

TI In vivo evidence that erythropoietin protects neurons from ischemic
damage

AU **Sakanaka, Masahiro**; Wen, Tong-Chun; Matsuda, Seiji; Masuda,
Seiji; Morishita, Emi; Nagao, Masaya; Sasaki, Ryuzo

CS Department of Anatomy, Ehime University School of Medicine, Ehime,
791-0295, Japan

SO Proceedings of the National Academy of Sciences of the United States of
America (1998), 95(8), 4635-4640

CODEN: PNASA6; ISSN: 0027-8424

PB National Academy of Sciences

DT Journal

LA English

L2 ANSWER 81 OF 147 CAPLUS COPYRIGHT 2002 ACS

AN 1998:72720 CAPLUS

DN 128:213596

TI Adrenergic agonists suppress the proliferation of microglia through
.beta.2-adrenergic receptor

AU Fujita, Hiroko; Tanaka, Junya; Maeda, Nobuji; **Sakanaka, Masahiro**

CS Onsen-gun, Shigenobu, School of Medicine, Department of Anatomy, Ehime
University, Ehime, Japan

SO Neurosci. Lett. (1998), 242(1), 37-40

CODEN: NELED5; ISSN: 0304-3940

PB Elsevier Science Ireland Ltd.

DT Journal

LA English

L2 ANSWER 82 OF 147 CAPLUS COPYRIGHT 2002 ACS

AN 1998:15459 CAPLUS

DN 128:149696

TI .beta.-Estradiol protects hippocampal CA1 neurons against transient
forebrain ischemia in gerbil

AU Sudo, Satoko; Wen, Tong-Chun; Desaki, Junzo; Matsuda, Seiji; Tanaka,
Junya; Arai, Tatsuru; Maeda, Nobuji; **Sakanaka, Masahiro**

CS Shigenobu, Departments of Anesthesiology and Resuscitology, Ehime
University School of Medicine, Ehime, 791-02, Japan

SO Neurosci. Res. (Shannon, Irel.) (1997), 29(4), 345-354

CODEN: NERADN; ISSN: 0168-0102

PB Elsevier Science Ireland Ltd.

DT Journal

LA English

L2 ANSWER 83 OF 147 CAPLUS COPYRIGHT 2002 ACS

AN 1998:15458 CAPLUS

DN 128:149910
 TI Platelet-derived growth factor prevents ischemia-induced neuronal injuries
 in vivo
 AU Kawabe, Tadao; Wen, Tong-Chun; Matsuda, Seiji; Ishihara, Ken; Otsuda, Hiroki; **Sakanaka, Masahiro**
 CS Shigenobu, Department of Anatomy, Ehime University School of Medicine, Ehime, 791-02, Japan
 SO Neurosci. Res. (Shannon, Irel.) (1997), 29(4), 335-343
 CODEN: NERADN; ISSN: 0168-0102
 PB Elsevier Science Ireland Ltd.
 DT Journal
 LA English

L2 ANSWER 84 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:634279 CAPLUS
 DN 127:314652
 TI Protein synthesis inhibitor transiently reduces neuronal death in the thalamus of spontaneously hypertensive rats following cortical infarction
 AU Watanabe, Hideaki; Kumon, Yoshiaki; Ohta, Shinsuke; Nakano, Kei; Sakaki, Saburo; Matsuda, Seiji; **Sakanaka, Masahiro**
 CS Dep. of Neurol. Surg., Ehime Univ. Sch. of Med., Shigenobu, 791-02, Japan
 SO Neurosci. Lett. (1997), 233(1), 25-28
 CODEN: NELED5; ISSN: 0304-3940
 PB Elsevier
 DT Journal
 LA English

L2 ANSWER 85 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:586549 CAPLUS
 DN 127:273178
 TI Protective effect of a prostaglandin I2 analog, TEI-7165, on ischemic neuronal damage in gerbils
 AU Matsuda, Seiji; Wen, Tong-Chun; Karasawa, Yasuko; Araki, Hiroaki; Otsuka, Hiroki; Ishihara, Ken; **Sakanaka, Masahiro**
 CS Department of Anatomy, Ehime University School of Medicine, Shigenobu, Ehime, 791-02, Japan
 SO Brain Res. (1997), 769(2), 321-328
 CODEN: BRREAP; ISSN: 0006-8993
 PB Elsevier
 DT Journal
 LA English

L2 ANSWER 86 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:467135 CAPLUS
 DN 127:104604
 TI Suppression by platelet factor 4 of the myogenic activity of basic fibroblast growth factor
 AU Peng, Hui; Wen, Tong-Chun; Igase, Keiji; Tanaka, Junya; Matsuda, Seiji; Aburaya, Junko; **Sakanaka, Masahiro**
 CS Department of Anatomy, Ehime University School of Medicine, Shigenobu, Japan
 SO Arch. Histol. Cytol. (1997), 60(2), 163-174
 CODEN: AHCYEZ; ISSN: 0914-9465
 PB International Society of Histology and Cytology
 DT Journal
 LA English

L2 ANSWER 87 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:409878 CAPLUS

DN 127:76297
 TI Expression of basic fibroblast growth factor-like immunoreactivity in the nuclei of regenerating hepatocytes
 AU Kushihata, Fumiki; Matsuda, Seiji; Sano, Akira; Aburaya, Junko; Shimahara, Yasuyuki; Kobayashi, Nobuaki; **Sakanaka, Masahiro**
 CS Department of Surgery, Ehime University School of Medicine, Ehime, 791-02, Japan
 SO Cell Tissue Res. (1997), 288(3), 517-527
 CODEN: CTSRCS; ISSN: 0302-766X
 PB Springer
 DT Journal
 LA English

L2 ANSWER 88 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:762333 CAPLUS
 DN 126:45884
 TI Persistent c-fos expression in the brains of mice with chronic social stress
 AU Matsuda, Seiji; Peng, Hui; Yoshimura, Hiroyuki; Wen, Tong-Chun; Fukuda, Tamotsu; **Sakanaka, Masahiro**
 CS Dep. Anatomy, Ehime Univ. Sch Medicine, Ehime, 791-02, Japan
 SO Neurosci. Res. (Shannon, Irel.) (1996), 26(2), 157-170
 CODEN: NERADN; ISSN: 0168-0102
 PB Elsevier
 DT Journal
 LA English

L2 ANSWER 89 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:240830 CAPLUS
 DN 124:280075
 TI A hydrophilic peptide comprising 18 amino acid residues of the prosaposin sequence has neurotrophic activity in vitro and in vivo
 AU Kotani, Yasunori; Matsuda, Seiji; Wen, Tong-Chun; **Sakanaka, Masahiro**; Tanaka, Junya; Maeda, Nobuji; Kondoh, Keiji; Ueno, Shu-ichi; Sano, Akira
 CS Departments Neuropsychiatry, Ehime University School Medicine, Ehime, 791-02, Japan
 SO J. Neurochem. (1996), 66(5), 2197-200
 CODEN: JONRA9; ISSN: 0022-3042
 DT Journal
 LA English

L2 ANSWER 90 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:240808 CAPLUS
 DN 124:313662
 TI Prosaposin facilitates sciatic nerve regeneration in vivo
 AU Kotani, Yasunori; Matsuda, Seiji; **Sakanaka, Masahiro**; Kondoh, Keiji; Ueno, Shu-ichi; Sano, Akira
 CS Departments of Neuropsychiatry and Anatomy, Ehime University School of Medicine, Ehime, Japan
 SO J. Neurochem. (1996), 66(5), 2019-25
 CODEN: JONRA9; ISSN: 0022-3042
 DT Journal
 LA English

L2 ANSWER 91 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:186912 CAPLUS
 DN 124:251688

TI Ciliary neurotrophic factor attenuates spatial cognition impairment,
 cortical infarction and thalamic degeneration in spontaneously
 hypertensive rats with focal cerebral ischemia
 AU Kumon, Yoshiaki; Sakaki, Saburo; Watanabe, Hideaki; Nakano, Kei; Ohta,
 Shinsuke; Matsuda, Seiji; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**
 CS Department of Neurosurgery, Ehime University School of Medicine,
 Shigenobu-cho, Ehime, 791-02, Japan
 SO Neurosci. Lett. (1996), 206(2,3), 141-4
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L2 ANSWER 92 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:131538 CAPLUS
 DN 124:200016
 TI Interleukin-6 prevents ischemia-induced learning disability and neuronal
 and synaptic loss in gerbils
 AU Matsuda, Seiji; Wen, Tong-Chun; Morita, Fumio; Otsuka, Hiroki; Igase,
 Keiji; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**
 CS Department of Anatomy, Ehime University School of Medicine, Shigenobu,
 Ehime, 791-02, Japan
 SO Neurosci. Lett. (1996), 204(1,2), 109-12
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L2 ANSWER 93 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:118698 CAPLUS
 DN 124:199535
 TI The role of remaining presynaptic terminals in the hippocampal CA1 after
 selective neuronal death: ischemia-induced glutamate efflux
 AU Mitani, Akira; Matsuda, Seiji; Yamamoto, Hiroshi; **Sakanaka,**
Masahiro; Kataoka, Kiyoshi
 CS School of Medicine, Ehime University, Shigenobu, 791-02, Japan
 SO Acta Neuropathol. (1996), Volume Date 1996, 91(1), 41-6
 CODEN: ANPTAL; ISSN: 0001-6322
 DT Journal
 LA English

L2 ANSWER 94 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:118695 CAPLUS
 DN 124:220172
 TI Ginseng root prevents learning disability and neuronal loss in gerbils
 with 5-minute forebrain ischemia
 AU Wen, Tong-Chun; Yoshimura, Hiroyuki; Matsuda, Seiji; Lim, Jong-Hak;
Sakanaka, Masahiro
 CS School of Medicine, Ehime University, Shigenobu, 791-02, Japan
 SO Acta Neuropathol. (1996), Volume Date 1996, 91(1), 15-22
 CODEN: ANPTAL; ISSN: 0001-6322
 DT Journal
 LA English

L2 ANSWER 95 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:48931 CAPLUS
 TI Spatial learning disability in rats with focal cerebral ischemia recovers
 by repeating Morris water maze tests
 AU Kumon, Yoshiaki; Sakaki, Saburo; Ueda, toshihiro; Ohta, Shinsuke;
 Matsuda,
 Seiji; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**
 CS Dep. Neurological Surgery, Ehime Univ. School Medicine, Ehime, 791-02,

Japan
 SO Biomed. Res. (1995), 16(6), 423-431
 CODEN: BRES D5; ISSN: 0388-6107
 PB Biomedical Research Foundation
 DT Journal
 LA English

L2 ANSWER 96 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:47651 CAPLUS
 TI Origins of nitric oxide synthase-containing nerve fibers in the rat
 basilar artery with reference to the fine structure of the nerve fibers
 AU Kadota, Osamu; Matsuda, Seiji; Ohta, Shinsuke; Kumon, Yoshiaki; Sakaki,
 Saburo; **Sakanaka, Masahiro**
 CS Department of Neurological Surgery, Ehime University School of Medicine,
 Shigenobu-cho, Onsen-gun, Ehime, 791-02, Japan
 SO Brain Res. (1996), 706(1), 129-136
 CODEN: BRREAP; ISSN: 0006-8993
 PB Elsevier
 DT Journal
 LA English

L2 ANSWER 97 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:954431 CAPLUS
 TI alpiniae Fructus. I. Pharmacological evidence of efficacy of Alpiniae
 Fructus on ancient herbal literature
 AU Kubo, Michinori; Matsuda, Hideaki; Suo, Toshiaki; Yamanaka, Jun;
Sakanaka, Masahiro; Yoshimura, Masayuki
 CS Faculty of Pharmaceutical Sciences, Kinki Univ., Osaka, 577, Japan
 SO Yakugaku Zasshi (1995), 115(10), 852-862
 CODEN: YKKZAJ; ISSN: 0031-6903
 PB Pharmaceutical Society of Japan
 DT Journal
 LA Japanese

L2 ANSWER 98 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:903506 CAPLUS
 DN 123:330743
 TI Role of basic fibroblast growth factor in the regulation of rat basilar
 artery tone in vivo
 AU Kadota, Osamu; Ohta, Shinsuke; Kumon, Yoshiaki; Sakaki, Saburo; Matsuda,
 Seiji; **Sakanaka, Masahiro**
 CS Department of Neurological Surgery, Ehime University School of Medicine,
 Shigenobu-cho, Onsen-gun, Ehime, 791-02, Japan
 SO Neurosci. Lett. (1995), 199(2), 99-102
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L2 ANSWER 99 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:771016 CAPLUS
 DN 123:188883
 TI The localization of basic fibroblast growth factor (FGF-2) in rat
 submandibular glands
 AU Hiramatsu, Yoshiyuki; Kagami, Hideaki; Kosaki, Kenichi; Shigetomi,
 Toshio;
 Ueda, Minoru; Kobayashi, Shigeru; **Sakanaka, Masahiro**
 CS School of Medicine, Nagoya University, Nagoya, 466, Japan
 SO Nagoya J. Med. Sci. (1994), Volume Date 1994, 57(3,4), 143-52
 CODEN: NJMSAG; ISSN: 0027-7622
 DT Journal

LA English

L2 ANSWER 100 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:596733 CAPLUS
 DN 123:1834
 TI Ciliary neurotrophic factor prevents ischemia-induced learning disability and neuronal loss in gerbils
 AU Wen, Tong-Chun; Matsuda, Sejii; Yoshimura, Hiroyuki; Kawabe, Tadao; **Sakanaka, Masahiro**
 CS Department of Anatomy, Ehime University School of Medicine, Shigenobu, Ehime, 791-02, Japan
 SO Neurosci. Lett. (1995), 191(1,2), 55-8
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

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L2 ANSWER 101 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:565656 CAPLUS
 DN 123:106652
 TI Protective effect of catecholestrogen on injury caused by 60Co-irradiation in mice
 AU Tomatsu, Akira; Nakanishi, Masami; **Sakanaka, Masahiro**; Komura, Sadaaki; Ohishi, Nobuko; Yagi, Kunio
 CS Department Obstetrics and Gynecology, Aichi Medical University, Aichi, 480-11, Japan
 SO J. Clin. Biochem. Nutr. (1995), 18(1), 49-54
 CODEN: JCBNER; ISSN: 0912-0009
 DT Journal
 LA English

L2 ANSWER 102 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:555637 CAPLUS
 DN 122:313498
 TI Effect of dietary NaCl on tyrosine hydroxylase in the superior cervical ganglia of Dahl rats
 AU Nagae, Akihiro; Kohara, Katsuhiko; Iwata, Takeru; Matsuda, Seiji; **Sakanaka, Masahiro**; Hiwada, Kunio
 CS The Second Department of Internal Medicine, Ehime University School of Medicine, Shigenobu-cho, Onsen-gun, Ehime, 791-02, Japan
 SO Neurosci. Lett. (1995), 190(1), 13-16
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L2 ANSWER 103 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:229785 CAPLUS
 DN 122:7136
 TI Origin of ischemia-induced glutamate efflux in the CA1 field of the gerbil hippocampus: an in vivo brain microdialysis study
 AU Mitani, Akira; Andou, Yasushi; Matsuda, Seiji; Arai, Tatsuru; **Sakanaka, Masahiro**; Kataoka, Kiyoshi
 CS School Medicine, Ehime University, Ehime, Japan
 SO J. Neurochem. (1994), 63(6), 2152-64
 CODEN: JONRA9; ISSN: 0022-3042
 DT Journal
 LA English

L2 ANSWER 104 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:143147 CAPLUS
 DN 122:23623
 TI Protection by prosaposin against ischemia-induced learning disability and neuronal loss
 AU Sano, Akira; Matsuda, Seiji; Wen, Tong-Chun; Kotani, Yasunori; Kondoh, Keiji; Ueno, Shu-ichi; Kakimoto, Yasuo; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**
 CS Sch. Med., Ehime Univ., Ehime, 791-02, Japan
 SO Biochem. Biophys. Res. Commun. (1994), 204(2), 994-1000
 CODEN: BBRC9; ISSN: 0006-291X
 DT Journal
 LA English

L2 ANSWER 105 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:622414 CAPLUS
 DN 121:222414
 TI Basic fibroblast growth factor-like immunoreactivity in the rat basilar artery with reference to co-localization with NADPH-diaphorase in the trigeminal ganglion
 AU Kadota, Osamu; Ohta, Shinsuke; Kumon, Yoshiaki; Sakaki, Saburo; Matsuda, Seiji; **Sakanaka, Masahiro**
 CS Neurological Surgery, Ehime, 791-02, Japan
 SO Neurosci. Lett. (1994), 178(2), 201-5
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L2 ANSWER 106 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:480212 CAPLUS
 DN 121:80212
 TI localization with a digoxigenin-labeled cRNA probe of basic fibroblast growth factor mRNA in dystrophic (MDX) mouse masseter muscle and rat hair follicles
 AU Uryu, Kunihiro; Iwata, Hiroshi; Yoshida, Shigetaka; Shiosaka, Sadao; Matsuda, Seiji; **Sakanaka, Masahiro**
 CS Sch. Med., Ehime Univ., Shigenobu, 791-02, Japan
 SO Acta Histochem. Cytochem. (1993), 26(5), 381-9
 CODEN: ACHCBO; ISSN: 0044-5991
 DT Journal
 LA English

L2 ANSWER 107 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:295606 CAPLUS
 DN 120:295606
 TI Changes in Ca⁺⁺-ATPase activity in smooth-muscle cell membranes of the

canine basilar artery with experimental subarachnoid hemorrhage
AU Wang, Jinze; Ohta, Shinsuke; Sakaki, Saburo; Araki, Nobukazu; Matsuda, Seiji; **Sakanaka, Masahiro**
CS Sch. Med., Ehime Univ., Ehime, Japan
SO J. Neurosurg. (1994), 80(2), 269-75
CODEN: JONSAC; ISSN: 0022-3085
DT Journal
LA English

L2 ANSWER 108 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1994:154918 CAPLUS
DN 120:154918
TI Localization of renin-like immunoreactivity in marmoset brain
AU Ii, Yasuko; **Sakanaka, Masahiro**; Matsuda, Seiji; Hiwada, Kunio
CS Sch. Med., Ehime Univ., Ehime, 791-02, Japan
SO Hypertens. Res. (1993), 16(2), 121-30
CODEN: HRESE4; ISSN: 0916-9636
DT Journal
LA English

L2 ANSWER 109 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1994:97085 CAPLUS
DN 120:97085
TI Light- and electron-microscopic localization of basic fibroblast growth factor in adult rat retina
AU Morimoto, Akihiro; Matsuda, Seiji; Uryu, Kunihiro; Fujita, Hiroko; Okumura, Nobuaki; **Sakanaka, Masahiro**
CS Sch. Med., Ehime Univ., Ehime, 791-02, Japan
SO Okajimas Folia Anat. Jpn. (1993), 70(1), 7-12
CODEN: OFAJAE; ISSN: 0030-154X
DT Journal
LA English

L2 ANSWER 110 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1994:73991 CAPLUS
DN 120:73991
TI Distribution of prosaposin-like immunoreactivity in rat brain
AU Kondoh, Keiji; Sano, Akira; Kakimoto, Yasuo; Matsuda, Seiji; **Sakanaka, Masahiro**
CS Sch. Med., Ehime Univ., Shigenobu, 791-02, Japan
SO J. Comp. Neurol. (1993), 334(4), 590-602
CODEN: JCNEAM; ISSN: 0021-9967
DT Journal
LA English

L2 ANSWER 111 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1993:552727 CAPLUS
DN 119:152727
TI Localization of basic fibroblast growth factor (bFGF)-like immunoreactivity in neural circuits innervating the gastrocnemius muscle, with reference to the direction of bFGF transport
AU Otsuka, Hiroki; Matsuda, Seiji; Fujita, Hiroko; Matsuda, Yoshiro; Shibata, Taiho; Uryu, Kunihiro; **Sakanaka, Masahiro**
CS Sch. Med., Ehime Univ., Shigenobu, Japan
SO Arch. Histol. Cytol. (1993), 56(2), 207-15
CODEN: AHCYEZ; ISSN: 0914-9465
DT Journal
LA English

L2 ANSWER 112 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:531922 CAPLUS
 DN 119:131922
 TI Basic fibroblast growth factor-like immunoreactivity in the rat
 trigeminal
 sensory system and peri-oral skin with vibrissae
 AU Okada, Katsutoshi; Matsuda, Seiji; Ii, Yasuko; Okumura, Nobuaki; Uryu,
 Kunihiro; Fujita, Hiroko; **Sakanaka, Masahiro**
 CS Sch. Med., Ehime Univ., Ehime, 791-02, Japan
 SO Cell Tissue Res. (1993), 272(3), 417-27
 CODEN: CTSRCS; ISSN: 0302-766X
 DT Journal
 LA English

L2 ANSWER 113 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:231447 CAPLUS
 DN 118:231447
 TI Transient increase in endogenous basic fibroblast growth factor in
 neurons
 of ischemic rat brains
 AU Kumon, Yoshiaki; Sakaki, Saburo; Kadota, Osamu; Matsuda, Seiji; Fujita,
 Hiroko; Yoshimura, Hiroyuki; **Sakanaka, Masahiro**
 CS Dep. Neurol. Surg., Ehime Univ. Sch. Med., Ehime, Japan
 SO Brain Res. (1993), 605(1), 169-74
 CODEN: BRREAP; ISSN: 0006-8993
 DT Journal
 LA English

L2 ANSWER 114 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:78588 CAPLUS
 DN 118:78588
 TI Immuno-electron-microscopic localization of basic fibroblast growth
 factor
 in the dystrophic mdx mouse masseter muscle
 AU Matsuda, Seiji; Desaki, Junzo; Fujita, Hiroko; Okumura, Nobuaki;
Sakanaka, Masahiro
 CS Sch. Med., Ehime Univ., Shigenobu, 791-02, Japan
 SO Cell Tissue Res. (1992), 270(3), 569-76
 CODEN: CTSRCS; ISSN: 0302-766X
 DT Journal
 LA English

L2 ANSWER 115 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1992:401281 CAPLUS
 DN 117:1281
 TI Fine structure of nerve processes containing basic fibroblast growth
 factor in muscle spindles of the rat masseter muscle
 AU Desaki, Junzo; Matsuda, Seiji; Okumura, Nobuaki; Koyama, Yutaka;
Sakanaka, Masahiro
 CS Sch. Med., Ehime Univ., Ehime, Japan
 SO Neurosci. Lett. (1992), 137(2), 237-40
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L2 ANSWER 116 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:452786 CAPLUS
 DN 113:52786
 TI Somatostatin colocalizes with tyrosine hydroxylase in the nerve cells of
 discrete hypothalamic regions in rats

AU **Sakanaka, Masahiro**; Magari, Sumiko; Inoue, Naomi
 CS Dep. Anat., Osaka Med. Coll., Osaka, Japan
 SO Brain Res. (1990), 516(2), 313-17
 CODEN: BRREAP; ISSN: 0006-8993
 DT Journal
 LA English

L2 ANSWER 117 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:586759 CAPLUS
 DN 109:186759
 TI A reliable method combining horseradish peroxidase histochemistry with immuno-.beta.-galactosidase staining
 AU **Sakanaka, Masahiro**; Magari, Sumiko; Shibasaki, Tamotsu; Shinoda, Koh; Kohnno, Johji
 CS Dep. Anat., Osaka Med. Coll., Osaka, 569, Japan
 SO J. Histochem. Cytochem. (1988), 36(9), 1091-6
 CODEN: JHCYAS; ISSN: 0022-1554
 DT Journal
 LA English

L2 ANSWER 118 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:401063 CAPLUS
 DN 109:1063
 TI Corticotropin releasing factor-containing afferents to the lateral septum of the rat brain
 AU **Sakanaka, Masahiro**; Magari, Sumiko; Shibasaki, Tamotsu; Lederis, Karl
 CS Dep. Anat., Osaka Med. Coll., Osaka, 569, Japan
 SO J. Comp. Neurol. (1988), 270(3), 404-15
 CODEN: JCNEAM; ISSN: 0021-9967
 DT Journal
 LA English

L2 ANSWER 119 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1987:452450 CAPLUS
 DN 107:52450
 TI Corticotropin-releasing factor-containing afferents to the inferior colliculus of the rat brain
 AU **Sakanaka, Masahiro**; Shibasaki, Tamotsu; Lederis, Karl
 CS Dep. Pharmacol. Therap., Univ. Calgary, Calgary, AB, Can.
 SO Brain Res. (1987), 414(1), 68-76
 CODEN: BRREAP; ISSN: 0006-8993
 DT Journal
 LA English

L2 ANSWER 120 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1987:211257 CAPLUS
 DN 106:211257
 TI Urotensin I-like immunoreactivity in amacrine cells of the goldfish retina
 AU **Sakanaka, Masahiro**; McMaster, Denis; Chohan, Kuldip; Shibasaki, Tamotsu; Stell, William K.; Lederis, Karl
 CS Fac. Med., Univ. Calgary, Calgary, AB, T2N 4N1, Can.
 SO Neurosci. Lett. (1987), 76(1), 96-100
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L2 ANSWER 121 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1987:96303 CAPLUS

DN 106:96303
 TI Improved fixation and cobalt-glucose oxidase-diaminobenzidine intensification for immunohistochemical demonstration of corticotropin-releasing factor in rat brain
 AU **Sakanaka, Masahiro**; Shibasaki, Tamotsu; Lederis, Karl
 CS Fac. Med., Univ. Calgary, Calgary, AB, T2N 4N1, Can.
 SO J. Histochem. Cytochem. (1987), 35(2), 207-12
 CODEN: JHCYAS; ISSN: 0022-1554
 DT Journal
 LA English

L2 ANSWER 122 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1986:584384 CAPLUS
 DN 105:184384
 TI Distribution and efferent projections of corticotropin-releasing factor-like immunoreactivity in the rat amygdaloid complex
 AU **Sakanaka, Masahiro**; Shibasaki, Tamotsu; Lederis, Karl
 CS Fac. Med., Univ. Calgary, Calgary, AB, T2N 4N1, Can.
 SO Brain Res. (1986), 382(2), 213-38
 CODEN: BRREAP; ISSN: 0006-8993
 DT Journal
 LA English

L2 ANSWER 123 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1985:572959 CAPLUS
 DN 103:172959
 TI The calcitonin gene-related peptide-containing fiber projection from the hypothalamus to the lateral septal area including its fine structures
 AU **Sakanaka, Masahiro**; Magari, Sumiko; Emson, Piers C.; Hillyard, Carmel J.; Girgis, Samia I.; MacIntyre, Iain; Tohyama, Masaya
 CS Dep. Anat., Osaka Med. Coll., Osaka, 569, Japan
 SO Brain Res. (1985), 344 196-9
 CODEN: BRREAP; ISSN: 0006-8993
 DT Journal
 LA English

L2 ANSWER 124 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:502560 CAPLUS
 DN 99:102560
 TI Leucine-enkephalin-like immunoreactivity in the chicken retina with a special reference to its fine structures
 AU Ishimoto, Ichiro; Shiosaka, Sadao; Shimizu, Yoshiki; Kuwayama, Yasuaki; Fukuda, Masakatsu; Inagaki, Shinobu; Takagi, Hiroshi; **Sakanaka, Masahiro**; Sasaoka, Atsuko; et al.
 CS Med. Sch., Osaka Univ., Osaka, 553, Japan
 SO Invest. Ophthalmol. Visual Sci. (1983), 24(7), 879-85
 CODEN: IOVSDA; ISSN: 0146-0404
 DT Journal
 LA English

L2 ANSWER 125 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:28473 CAPLUS
 DN 98:28473
 TI Distribution of substance P-like immunoreactivity in the lower brainstem of the human fetus: an immunohistochemical study
 AU Nomura, Hiroshi; Shiosaka, Sadao; Inagaki, Shinobu; Ishimoto, Ichiro; Senba, Emiko; **Sakanaka, Masahiro**; Takatsuki, Kenichi; Matsuzaki, Takashi; Kubota, Yoshiyuki; et al.
 CS Med. Sch., Tohoku Univ., Sendai, 980, Japan
 SO Brain Res. (1982), 252(2), 315-25

CODEN: BRREAP; ISSN: 0006-8993

DT Journal
LA English

L2 ANSWER 126 OF 147 CAPLUS COPYRIGHT 2002 ACS

AN 1982:539350 CAPLUS

DN 97:139350

TI Ontogeny of the peptidergic system in the rat spinal cord:
immunohistochemical analysis

AU Senba, Emiko; Shiosaka, Sadao; Hara, Yoshinobu; Inagaki, Shinobu;
Sakanaka, Masahiro; Takatsuki, Kenichi; Kawai, Yuriko; Tohyama,
Masaya

CS Med. Sch., Osaka Univ., Osaka, 530, Japan

SO J. Comp. Neurol. (1982), 208(1), 54-66

CODEN: JCNEAM; ISSN: 0021-9967

DT Journal
LA English

L2 ANSWER 127 OF 147 CAPLUS COPYRIGHT 2002 ACS

AN 1982:486033 CAPLUS

DN 97:86033

TI On the distribution and origins of substance P in the papillae of the rat
tongue: an experimental and immunohistochemical study

AU Nishimoto, Tatsuya; Akai, Michio; Inagaki, Shinobu; Shiosaka, Sadao;
Shimizu, Yoshiki; Yamamoto, Kazumi; Senba, Emiko; **Sakanaka,**
Masahiro; Takatsuki, Kenichi; et al.

CS Dent. Sch., Osaka Univ., Osaka, 530, Japan

SO J. Comp. Neurol. (1982), 207(1), 85-92

CODEN: JCNEAM; ISSN: 0021-9967

DT Journal
LA English

L2 ANSWER 128 OF 147 CAPLUS COPYRIGHT 2002 ACS

AN 1982:433858 CAPLUS

DN 97:33858

TI Ontogeny of the leucine-enkephalin neuron system of the rat:
immunohistochemical analysis. I. Lower brainstem

AU Senba, Emiko; Shiosaka, Sadao; Hara, Yoshinobu; Inagaki, Shinobu; Kawai,
Yuriko; Takatsuki, Kenichi; **Sakanaka, Masahiro**; Iida, Hisashi;
Takagi, Hiroshi; et al.

CS Med. Sch., Osaka Univ., Osaka, 530, Japan

SO J. Comp. Neurol. (1982), 205(4), 341-59

CODEN: JCNEAM; ISSN: 0021-9967

DT Journal
LA English

L2 ANSWER 129 OF 147 CAPLUS COPYRIGHT 2002 ACS

AN 1982:433847 CAPLUS

DN 97:33847

TI Ontogeny of somatostatin-containing neuron system of the rat:
immunohistochemical analysis. II. Forebrain and diencephalon

AU Shiosaka, Sadao; Takatsuki, Kenichi; **Sakanaka, Masahiro**;
Inagaki, Shinobu; Takagi, Hiroshi; Senba, Emiko; Kawai, Yuriko; Iida,
Hisashi; Minagawa, Hideo; et al.

CS Med. Sch., Osaka Univ., Osaka, 530, Japan

SO J. Comp. Neurol. (1982), 204(3), 211-24

CODEN: JCNEAM; ISSN: 0021-9967

DT Journal
LA English

L2 ANSWER 130 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:418179 CAPLUS
 DN 97:18179
 TI Two types of substance P-containing cells and their uneven distribution
 in
 the chicken retina: an immunohistochemical analysis with flat-mounts
 AU Ishimoto, Ichiro; Shiosaka, Sadao; Shimizu, Yoshiki; Kuwayama, Yasuaki;
 Fukuda, Masakatsu; Inagaki, Shinobu; Takagi, Hiroshi; **Sakanaka,**
Masahiro; Takatsuki, Kenichi; et al.
 CS Dep. Ophthalmol., Cent. Adult Dis., Osaka, 537, Japan
 SO Brain Res. (1982), 240(1), 171-4
 CODEN: BRREAP; ISSN: 0006-8993
 DT Journal
 LA English

L2 ANSWER 131 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:417664 CAPLUS
 DN 97:17664
 TI Long descending projections from amygdaloid somatostatin-containing cells
 to
 the lower brain stem
 AU Kawai, Yuriko; Inagaki, Shinobu; Shiosaka, Sadao; Senba, Emiko; Hara,
 Yoshinobu; **Sakanaka, Masahiro**; Takatsuki, Kenichi; Tohyama,
 Masaya
 CS Med. Sch., Osaka Univ., Osaka, 530, Japan
 SO Brain Res. (1982), 239(2), 603-7
 CODEN: BRREAP; ISSN: 0006-8993
 DT Journal
 LA English

L2 ANSWER 132 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:403812 CAPLUS
 DN 97:3812
 TI Overall distribution of glucagon-like immunoreactivity in the chicken
 retina: an immunohistochemical study with flat-mounts
 AU Kuwayama, Yasuaki; Ishimoto, Ichiro; Fukuda, Masakatsu; Shimizu, Yoshiki;
 Shiosaka, Sadao; Inagaki, Shinobu; Senba, Emiko; **Sakanaka,**
Masahiro; Takagi, Hiroshi; et al.
 CS Med. Sch., Osaka Univ., Osaka, Japan
 SO Invest. Ophthalmol. Visual Sci. (1982), 22(5), 681-6
 CODEN: IOVSDA; ISSN: 0146-0404
 DT Journal
 LA English

L2 ANSWER 133 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:401349 CAPLUS
 DN 97:1349
 TI Evidence for the existence of an enkephalin-containing pathway from the
 area just ventrolateral to the anterior hypothalamic nucleus to the
 lateral septal area of the rat
 AU **Sakanaka, Masahiro**; Senba, Emiko; Shiosaka, Sadao; Takatsuki,
 Kenichi; Inagaki, Shinobu; Takagi, Hiroshi; Kawai, Yuriko; Hara,
 Yoshinobu; Tohyama, Masaya
 CS Med. Sch., Osaka Univ., Osaka, 530, Japan
 SO Brain Res. (1982), 239(1), 240-4
 CODEN: BRREAP; ISSN: 0006-8993
 DT Journal
 LA English

L2 ANSWER 134 OF 147 CAPLUS COPYRIGHT 2002 ACS

AN 1982:214989 CAPLUS
DN 96:214989
TI Pathways and terminal fields of the cochlearofugal somatostatin tracts of very young rats
AU Takatsuki, Kenichi; **Sakanaka, Masahiro**; Shiosaka, Sadao; Inagaki, Shinobu; Takagi, Hiroshi; Senba, Emiko; Hara, Yoshinobu; Kawai, Yuriko; Minagawa, Hideo; et al.
CS Med. Sch., Osaka Univ., Osaka, 530, Japan
SO Dev. Brain Res. (1982), 3(4), 613-26
CODEN: DBRRDB; ISSN: 0165-3806
DT Journal
LA English

L2 ANSWER 135 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1982:214988 CAPLUS
DN 96:214988
TI Ontogeny of somatostatin-containing neuron system of the rat cerebellum including its fiber connections: an experimental and immunohistochemical analysis
AU Inagaki, Shinobu; Shiosaka, Sadao; Takatsuki, Kenichi; Iida, Hisashi; **Sakanaka, Masahiro**; Senba, Emiko; Hara, Yoshinobu; Matsuzaki, Takashi; Kawai, Yuriko; Tohyama, Masaya
CS Med. Sch., Osaka Univ., Osaka, 530, Japan
SO Dev. Brain Res. (1982), 3(4), 509-27
CODEN: DBRRDB; ISSN: 0165-3806
DT Journal
LA English

L2 ANSWER 136 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1982:156306 CAPLUS
DN 96:156306
TI Localization of substance P-like immunoreactivity in the anterior eye segment of squirrels: an immunohistochemical analysis
AU Shimizu, Yoshiki; Kuwayama, Yasuaki; Fukuda, Masakatsu; Ishimoto, Ichiro; Shiosaka, Sadao; Inagaki, Shinobu; Takagi, Hiroshi; **Sakanaka, Masahiro**; Senba, Emiko; et al.
CS Med. Sch., Osaka Univ., Osaka, Japan
SO Invest. Ophthalmol. Visual Sci. (1982), 22(2), 259-63
CODEN: IOVSDA; ISSN: 0146-0404
DT Journal
LA English

L2 ANSWER 137 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1982:98313 CAPLUS
DN 96:98313
TI Distribution of neuropeptides in the dorsal pontine tegmental area of the rat
AU Matsuzaki, Takashi; Shiosaka, Sadao; Inagaki, Shinobu; **Sakanaka, Masahiro**; Takatsuki, Kenichi; Takagi, Hiroshi; Senba, Emiko; Kawai, Yuriko; Tohyama, Masaya
CS Med. Sch., Osaka Univ., Osaka, 530, Japan
SO Cell. Mol. Biol. (1981), 27(5), 499-508
CODEN: CMBID4; ISSN: 0145-5680
DT Journal
LA English

L2 ANSWER 138 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1982:49733 CAPLUS
DN 96:49733
TI Morphological study of noradrenaline innervation in the caudal raphe

nuclei with special reference to fine structure
AU Takagi, Hiroshi; Yamamoto, Kazumi; Shiosaka, Sadao; Senba, Emiko;
Takatsuki, Kenichi; Inagaki, Shinobu; **Sakanaka, Masahiro**;
Tohyama, Masaya
CS Med. Sch., Osaka Univ., Osaka, Japan
SO J. Comp. Neurol. (1981), 203(1), 15-22
CODEN: JCNEAM; ISSN: 0021-9967
DT Journal
LA English

L2 ANSWER 139 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1982:16348 CAPLUS
DN 96:16348
TI Comparative anatomy of the distribution of catecholamines within the
inferior olivary complex from teleosts to primates
AU Kamei, Ichiro; Shiosaka, Sadao; Senba, Emiko; Takagi, Hiroshi;
Sakanaka, Masahiro; Inagaki, Shinobu; Takatsuki, Kenichi; Nakai,
Kunio; Imai, Harumichi; et al.
CS Med. Sch., Osaka Univ., Osaka, Japan
SO J. Comp. Neurol. (1981), 202(1), 125-33
CODEN: JCNEAM; ISSN: 0021-9967
DT Journal
LA English

L2 ANSWER 140 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1981:617897 CAPLUS
DN 95:217897
TI Topographic atlas of somatostatin-containing neuron system in the avian
brain in relation to catecholamine-containing neuron system. II.
Mesencephalon, rhombencephalon, and spinal cord
AU Shiosaka, Sadao; Takatsuki, Kenichi; Inagaki, Shinobu; **Sakanaka,**
Masahiro; Takagi, Hiroshi; Senba, Emiko; Matsuzaki, Takashi; Tohyama,
Masaya
CS Med. Sch., Osaka Univ., Osaka, Japan
SO J. Comp. Neurol. (1981), 202(1), 115-24
CODEN: JCNEAM; ISSN: 0021-9967
DT Journal
LA English

L2 ANSWER 141 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1981:617896 CAPLUS
DN 95:217896
TI Topographic atlas of somatostatin-containing neuron system in the avian
brain in relation to catecholamine-containing neuron system. I.
Telencephalon and diencephalon
AU Takatsuki, Kenichi; Shiosaka, Sadao; Inagaki, Shinobu; **Sakanaka,**
Masahiro; Takagi, Hiroshi; Senba, Emiko; Matsuzaki, Takashi; Tohyama,
Masaya
CS Med. Sch., Osaka Univ., Osaka, Japan
SO J. Comp. Neurol. (1981), 202(1), 103-13
CODEN: JCNEAM; ISSN: 0021-9967
DT Journal
LA English

L2 ANSWER 142 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1981:600845 CAPLUS
DN 95:200845
TI Distribution of somatostatin in the frog brain, *Rana catesbiana*, in
relation to location of catecholamine-containing neuron system
AU Inagaki, Shinobu; Shiosaka, Sadao; Takatsuki, Kenichi; **Sakanaka,**

Masahiro; Takagi, Hiroshi; Senba, Emiko; Matsuzaki, Takashi; Tohyama, Masaya
 CS Med. Sch., Osaka Univ., Osaka, Japan
 SO J. Comp. Neurol. (1981), 202(1), 89-101
 CODEN: JCNEAM; ISSN: 0021-9967
 DT Journal
 LA English

L2 ANSWER 143 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1981:530187 CAPLUS
 DN 95:130187
 TI New somatostatin-containing sites in the diencephalon of the neonatal rat
 AU Shiosaka, Sadao; Takatsuki, Kenichi; **Sakanaka, Masahiro**;
 Inagaki, Shinobu; Takagi, Hiroshi; Senba, Emiko; Kawai, Yuriko; Minagawa, Hideo; Tohyama, Masaya
 CS Med. Sch., Osaka Univ., Osaka, Japan
 SO Neurosci. Lett. (1981), 25(1), 69-73
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L2 ANSWER 144 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1981:477638 CAPLUS
 DN 95:77638
 TI Ontogeny of somatostatin in the rat retina in relation to the catecholamine-containing system
 AU Kuwayama, Yasuaki; Fukuda, Masakatsu; Ishimoto, Ichiro; Shimizu, Yoshiki; Shiosaka, Sadao; Takagi, Hiroshi; Inagaki, Shinobu; **Sakanaka, Masahiro**; Senba, Emiko; et al.
 CS Med. Sch., Osaka Univ., Osaka, 553, Japan
 SO Nippon Ganka Kyo (1981), 32(2), 541-7
 CODEN: NGKYA3; ISSN: 0015-5667
 DT Journal
 LA English

L2 ANSWER 145 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1981:477209 CAPLUS
 DN 95:77209
 TI Somatostatin-like immunoreactivity in the facial, glossopharyngeal and vagal lobes of the carp
 AU Tohyama, Masaya; Shiosaka, Sadao; Takagi, Hiroshi; Inagaki, Shinobu; Takatsuki, Kenichi; **Sakanaka, Masahiro**; Senba, Emiko; Kawai, Yuriko; Minagawa, Hideo
 CS Med. Sch., Osaka Univ., Osaka, 530, Japan
 SO Neurosci. Lett. (1981), 24(3), 233-6
 CODEN: NELED5; ISSN: 0304-3940
 DT Journal
 LA English

L2 ANSWER 146 OF 147 CAPLUS COPYRIGHT 2002 ACS
 AN 1981:439703 CAPLUS
 DN 95:39703
 TI Demonstration of a substance P-like immunoreactivity in retinal cells of the rat
 AU Fukuda, Masakatsu; Kuwayama, Yasuaki; Shiosaka, Sadao; Ishimoto, Ichiro; Shimizu, Yoshiki; Takagi, Hiroshi; Inagaki, Shinobu; **Sakanaka, Masahiro**; Senba, Emiko; et al.
 CS Med. Sch., Osaka Univ., Osaka, 553, Japan
 SO Neurosci. Lett. (1981), 23(3), 239-42
 CODEN: NELED5; ISSN: 0304-3940

DT Journal
LA English

L2 ANSWER 147 OF 147 CAPLUS COPYRIGHT 2002 ACS
AN 1981:206295 CAPLUS
DN 94:206295
TI Somatostatin in the auditory system of the rat
AU Takatsuki, Kenichi; Shiosaka, Sadao; **Sakanaka, Masahiro**;
Inagaki, Shinobu; Senba, Emiko; Takagi, Hiroshi; Tohyama, Masaya
CS Med. Sch., Osaka Univ., Osaka, Japan
SO Brain Res. (1981), 213(1), 211-16
CODEN: BRREAP; ISSN: 0006-8993

DT Journal
LA English

=> d 12 abs ibib 50,33,32

L2 ANSWER 50 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1995:244010 BIOSIS
DOCUMENT NUMBER: PREV199598258310
TITLE: Ginseng root's ability to prevent learning disability and neuronal loss in normothermic gerbils with 5-min forebrain ischemia.
AUTHOR(S): **Sakanaka, Masahiro** (1); Wen, Tong-Chun (1); Yoshimura, Hiroyuki; Matsuda, Seiji (1)
CORPORATE SOURCE: (1) Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan
SOURCE: Japanese Journal of Pharmacology, (1995) Vol. 67, No. SUPPL. 1, pp. 297P.
Meeting Info.: 68th Annual Meeting of the Japanese Pharmacological Society Nagoya, Japan March 25-28, 1995
ISSN: 0021-5198.
DOCUMENT TYPE: Conference
LANGUAGE: English

L2 ANSWER 33 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1997:236426 BIOSIS
DOCUMENT NUMBER: PREV199799535629
TITLE: Protection of ischemic hippocampal neurons by ginsenoside Rb1, a main ingredient of ginseng root.
AUTHOR(S): Matsuda, Seiji; **Sakanaka, Masahiro**
CORPORATE SOURCE: Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime Japan
SOURCE: Japanese Journal of Pharmacology, (1997) Vol. 73, No. SUPPL. 1, pp. 271P.
Meeting Info.: 70th Annual Meeting of the Japanese Pharmacological Society Chiba, Japan March 22-25, 1997
ISSN: 0021-5198.
DOCUMENT TYPE: Conference; Abstract; Conference
LANGUAGE: English

L2 ANSWER 32 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1997:236427 BIOSIS
DOCUMENT NUMBER: PREV199799535630
TITLE: Ginsenoside Rb1 prevents space navigation disability, cortical infarction and thalamic degeneration in rats with focal cerebral ischemia.
AUTHOR(S): **Sakanaka, Masahiro**; Matsuda, Seiji
CORPORATE SOURCE: Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan

SOURCE: Japanese Journal of Pharmacology, (1997) Vol. 73, No.
SUPPL. 1, pp. 271P.
Meeting Info.: 70th Annual Meeting of the Japanese
Pharmacological Society Chiba, Japan March 22-25, 1997
ISSN: 0021-5198.
DOCUMENT TYPE: Conference; Abstract; Conference
LANGUAGE: English

=> d l2 abs ibib 33

L2 ANSWER 33 OF 147 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1997:236426 BIOSIS
DOCUMENT NUMBER: PREV199799535629
TITLE: Protection of ischemic hippocampal neurons by ginsenoside
Rb1, a main ingredient of ginseng root.
AUTHOR(S): Matsuda, Seiji; **Sakanaka, Masahiro**
CORPORATE SOURCE: Dep. Anatomy, Ehime Univ. Sch. Med., Shigenobu, Ehime
Japan
SOURCE: Japanese Journal of Pharmacology, (1997) Vol. 73, No.
SUPPL. 1, pp. 271P.
Meeting Info.: 70th Annual Meeting of the Japanese
Pharmacological Society Chiba, Japan March 22-25, 1997
ISSN: 0021-5198.
DOCUMENT TYPE: Conference; Abstract; Conference
LANGUAGE: English

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NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
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frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS
and USPATFULL
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2
instead.
NEWS 12 Apr 08 "Ask CAS" for self-help around the clock
NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14 Apr 09 ZDB will be removed from STN
NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available

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=> s ginsenoside?
 L1 3135 GINSENOSIDE?

=> s l1 and composition?
 L2 215 L1 AND COMPOSITION?

=> s l2 and nerve(w)tissue?
 L3 0 L2 AND NERVE(W) TISSUE?

=> s l2 and cerebrovascular?
 L4 3 L2 AND CEREBROVASCULAR?

=> d l4 abs ibib 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS
 AB Medicinal **compns.** and preps. for administration comprising
 ginseng, which is useful as a cell protecting agent and a remedy for
 nerve
 trauma, its ext., ginseng components, metabolites thereof or salts
 thereof
 (for example, red ginseng powder or components thereof). More
 particularly, medicinal **compns.** for inhibiting apoptosis or
 apoptosis-like cell death, medicinal **compns.** for promoting the
 expression of a cell death inhibitory gene product Bcl-XL, or preps. for
 oral or i.v. administration which comprise ginseng, its ext., ginseng
 components, metabolites thereof or salts thereof preferably at a low
 concn. These medicinal **compns.** and preps. for administration
 are characterized by contg. as the active ingredient ginseng, its ext.,
 ginseng components, metabolites thereof or salts thereof at a low concn.
 These drugs are useful in treating, preventing or managing brain and
 nerve
 diseases, heart diseases, etc.

ACCESSION NUMBER:	2001:167825 CAPLUS
DOCUMENT NUMBER:	134:227341
TITLE:	Brain cell- or nerve cell-protecting agents
comprising	
	ginseng
INVENTOR(S):	Sakanaka, Masahiro; Maeda, Nobuji; Tanaka, Junya; Nakata, Kimihiko
PATENT ASSIGNEE(S):	Japan Science and Technology Corporation, Japan
SOURCE:	PCT Int. Appl., 200 pp.

DOCUMENT TYPE: CODEN: PIXXD2
LANGUAGE: Patent
FAMILY ACC. NUM. COUNT: 1 Japanese
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001015717	A1	20010308	WO 2000-JP4102	20000622
W: CN, KR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 2001139483	A2	20010522	JP 2000-227968	20000621
PRIORITY APPLN. INFO.:			JP 1999-243378	A 19990830
REFERENCE COUNT:	22	THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS		
RECORD. ALL CITATIONS AVAILABLE IN THE RE				
FORMAT				

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS
AB A pharmaceutical **compn.** suitable for the treatment of a condition selected from the group consisting of cardiovascular disease, **cerebrovascular** disease, Alzheimer's disease, depression or combinations thereof comprising various mixts. of the aq. exts. of tissue of specific Chinese plants and herbs. A method of prepg. the pharmaceutical **compns.** of the invention and a method for treating a patient therewith are also disclosed.

ACCESSION NUMBER: 1997:34689 CAPLUS
DOCUMENT NUMBER: 126:162242
TITLE: **Compositions** and method of treating cardio-, cerebro-vascular and Alzheimer's diseases and depression
INVENTOR(S): Tashiro, Renki; Pater, Ruth H.
PATENT ASSIGNEE(S): Tashiro, Renki, Japan; Pater, Ruth H.
SOURCE: U.S., 22 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5589182	A	19961231	US 1993-161350	19931206

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
AB Pharmaceutical **compns.** for treatment of cerebral vascular disease and for improving immune functions comprise **ginsenoside** 5-15, tetra-Me pyrazine 30-50, astrogalan 30-50, and atractylol 5-15% by wt. **Ginsenoside** was extd. from Panax quinquefolium and the other 3 compds. were extd. from Lingusticum chuanxion, Astragalus membranaceous, and Atractylodes macrocephala, resp., and mixed in amts. of 5, 20, 20, and 5 kg, resp. Tablets were prepd. by mixing this **compn.** contg. the 4 compds. with corn starch, di-Ca phosphate, potato starch, Mg stearate, and lactose, and pressing to give **ginsenoside** 25, tetramethylpyrazine 100, astragalus 100, and atractylol 25 mg per tablet.

ACCESSION NUMBER: 1988:118963 CAPLUS
DOCUMENT NUMBER: 108:118963

TITLE: Therapeutic **composition** from plant extracts
 INVENTOR(S): Liu, Yaguang
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S., 7 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4708949	A	19871124	US 1985-779437	19850924
US 4795742	A	19890103	US 1986-917842	19861014
PRIORITY APPLN. INFO.:			US 1985-779437	19850924

=> s l2 not py>1999
 L5 181 L2 NOT PY>1999

=> d l5 1-50

L5 ANSWER 1 OF 181 MEDLINE
 AN 1999350713 MEDLINE
 DN 99350713 PubMed ID: 10379041
 TI Gynostemma pentaphyllum: identification of major sapogenins and differentiation from Panax species.
 AU Cui J; Eneroth P; Bruhn J G
 CS Clinical Research Centre, Huddinge University Hospital, Karolinska Institute, SE-141 86, Huddinge, Sweden.
 SO EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, (1999 Jul) 8 (3) 187-91.
 Journal code: C7R; 9317982. ISSN: 0928-0987.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199908
 ED Entered STN: 19990827
 Last Updated on STN: 19990827
 Entered Medline: 19990818

L5 ANSWER 2 OF 181 MEDLINE
 AN 1998002460 MEDLINE
 DN 98002460 PubMed ID: 9342944
 TI Protection of rat liver microsomes against carbon tetrachloride-induced lipid peroxidation by red ginseng saponin through cytochrome P450 inhibition.
 AU Kim H J; Chun Y J; Park J D; Kim S I; Roh J K; Jeong T C
 CS Toxicology Research Center, Korea Research Institute of Chemical Technology, Yusung, Taejon, Korea.
 SO PLANTA MEDICA, (1997 Oct) 63 (5) 415-8.
 Journal code: P9F; 0066751. ISSN: 0032-0943.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199711
 ED Entered STN: 19980109
 Last Updated on STN: 19980109
 Entered Medline: 19971128

L5 ANSWER 3 OF 181 MEDLINE
 AN 94170428 MEDLINE
 DN 94170428 PubMed ID: 8124758
 TI Saponins from Vietnamese Ginseng, *Panax vietnamensis* HA et Grushv.
 Collected in central Vietnam. II.
 AU Nguyen M D; Kasai R; Ohtani K; Ito A; Nguyen T N; Yamasaki K; Tanaka O
 CS Science-Production Centre of Vietnamese Ginseng, Ho Chi Minh City
 University of Medicine and Pharmacy, Vietnam.
 SO CHEMICAL AND PHARMACEUTICAL BULLETIN, (1994 Jan) 42 (1) 115-22.
 Journal code: CZP; 0377775. ISSN: 0009-2363.
 CY Japan
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199404
 ED Entered STN: 19940420
 Last Updated on STN: 19940420
 Entered Medline: 19940413

L5 ANSWER 4 OF 181 MEDLINE
 AN 94123400 MEDLINE
 DN 94123400 PubMed ID: 8293525
 TI Saponins from Vietnamese ginseng, *Panax vietnamensis* Ha et Grushv.
 Collected in central Vietnam. I.
 AU Nguyen M D; Nguyen T N; Kasai R; Ito A; Yamasaki K; Tanaka O
 CS Science-Production Centre of Vietnamese Ginseng, Ho Chi Minh City
 University of Medicine and Pharmacy.
 SO CHEMICAL AND PHARMACEUTICAL BULLETIN, (1993 Nov) 41 (11) 2010-4.
 Journal code: CZP; 0377775. ISSN: 0009-2363.
 CY Japan
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199403
 ED Entered STN: 19940314
 Last Updated on STN: 19940314
 Entered Medline: 19940303

L5 ANSWER 5 OF 181 MEDLINE
 AN 93355864 MEDLINE
 DN 93355864 PubMed ID: 8352021
 TI Combination of HPLC and 252-Cf plasma desorption mass spectrometry for
 identifying **composition** of ginseng tinctures.
 AU Elkin Y N; Makhankov V V; Uvarova N L; Bondarenko P V; Zubarev R A; Knysh
 A N
 CS Pacific Institute of Bioorganic Chemistry, Far East Division, Russian
 Academy of Sciences, Vladivostok.
 SO CHUNG-KUO YAO LI HSUEH PAO [ACTA PHARMACOLOGICA SINICA], (1993 Mar) 14
 (2)
 97-100.
 Journal code: 1P9; 8100330. ISSN: 0253-9756.
 CY China
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199309
 ED Entered STN: 19931001
 Last Updated on STN: 19931001
 Entered Medline: 19930915

L5 ANSWER 6 OF 181 MEDLINE
 AN 91355593 MEDLINE
 DN 91355593 PubMed ID: 2491311
 TI Establishment of Panax notoginseng tissue culture.
 AU Zheng G Z; Wang S L; Gan F Y; Liang Z
 CS Kunming Institute of Botany, Academia Sinica.
 SO CHINESE JOURNAL OF BIOTECHNOLOGY, (1989) 5 (1) 47-53.
 Journal code: A5Y; 9100855. ISSN: 1042-749X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199110
 ED Entered STN: 19911027
 Last Updated on STN: 19911027
 Entered Medline: 19911009

L5 ANSWER 7 OF 181 MEDLINE
 AN 91083826 MEDLINE
 DN 91083826 PubMed ID: 2261072
 TI Processing technique of American ginseng.
 AU Wang T; Jia Z; Liu C; Ren G
 CS Institute of Special Wild Economic Animal and Plant Sciences, C.A.A.S. Jilinzuojia.
 SO CHUNG-KUO CHUNG YAO TSA CHIH CHINA JOURNAL OF CHINESE MATERIA MEDICA, (1990 Jul) 15 (7) 408-11, 446.
 Journal code: AFL; 8913656. ISSN: 1001-5302.
 CY China
 DT Journal; Article; (JOURNAL ARTICLE)
 LA Chinese
 FS Priority Journals
 EM 199102
 ED Entered STN: 19910322
 Last Updated on STN: 19910322
 Entered Medline: 19910205

L5 ANSWER 8 OF 181 MEDLINE
 AN 90225840 MEDLINE
 DN 90225840 PubMed ID: 2633697
 TI [Effect of glycosides of betulafolientriol and its 3-epimer on the growth of tumor cells in vitro].
 Vliianie glikozidov betulafolientriolai ego 3-epimera na rost opukholevykh kletok in vitro.
 AU Shentsova E B; Anisimov M M; Loenko Iu N; Atopkina L N; Samoshina N F; Uvarova N I
 SO ANTIBIOTIKI I KHIMIOTERAPIIA, (1989 Nov) 34 (11) 831-3.
 Journal code: 69N; 8803688. ISSN: 0235-2990.
 CY USSR
 DT Journal; Article; (JOURNAL ARTICLE)
 LA Russian
 FS Priority Journals
 EM 199005
 ED Entered STN: 19900622
 Last Updated on STN: 19900622
 Entered Medline: 19900515

L5 ANSWER 9 OF 181 MEDLINE
 AN 85276088 MEDLINE

DN 85276088 PubMed ID: 4025219
 TI **Ginsenoside compositions** of Panax ginseng C.A. Meyer
 tissue culture and juice.
 AU Yip T T; Lau C N; Kong Y C; Yung K H; Kim J H; Woo W S
 SO AMERICAN JOURNAL OF CHINESE MEDICINE, (1985) 13 (1-4) 89-92.
 Journal code: 3E4; 7901431. ISSN: 0192-415X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198509
 ED Entered STN: 19900320
 Last Updated on STN: 19900320
 Entered Medline: 19850913

L5 ANSWER 10 OF 181 MEDLINE
 AN 85276087 MEDLINE
 DN 85276087 PubMed ID: 4025218
 TI Quantitative analysis of **ginsenosides** in fresh Panax ginseng.
 AU Yip T T; Lau C N; But P P; Kong Y C
 SO AMERICAN JOURNAL OF CHINESE MEDICINE, (1985) 13 (1-4) 77-88.
 Journal code: 3E4; 7901431. ISSN: 0192-415X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198509
 ED Entered STN: 19900320
 Last Updated on STN: 19900320
 Entered Medline: 19850913

L5 ANSWER 11 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2002:82946 BIOSIS
 DN PREV200200082946
 TI Cosmetic or dermatological **composition** containing at least one
 saponin of the **ginsenoside** type, and its applications,
 especially for treating the hair.
 AU Meybeck, A.; Bonte, F.; Dumas, M.
 CS Courbevoie France
 ASSIGNEE: LVMH RECHERCHE
 PI US 5663160 Sept. 2, 1997
 SO Official Gazette of the United States Patent and Trademark Office
 Patents,
 (Sept. 2, 1997) Vol. 1202, No. 1, pp. 431.
 ISSN: 0098-1133.
 DT Patent
 LA English

L5 ANSWER 12 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:127890 BIOSIS
 DN PREV200100127890
 TI Growth and glycoside accumulation in ginseng callus tissue culture under
 a
 long-term action of exogenous phytohormones.
 AU Gubar', S. I.; Gul'ko, T. P.; Kunakh, V. A.
 SO Fiziologiya Rastenii (Moscow), (January February, 1997) Vol. 44, No. 1,
 pp. 97-103. print.
 ISSN: 0015-3303.
 DT Article
 LA Russian

SL English; Russian

L5 ANSWER 13 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1999:451690 BIOSIS
 DN PREV199900451690
 TI *Gynostemma pentaphyllum*: Identification of major sapogenins and differentiation from *Panax* species.
 AU Cui, J.-F.; Eneroth, P.; Bruhn, J. G. (1)
 CS (1) Centre of Applied Pharmacognosy, Division of Pharmacognosy, Uppsala University, SE-751 23, Uppsala Sweden
 SO European Journal of Pharmaceutical Sciences, (July, 1999) Vol. 8, No. 3, pp. 187-191.
 ISSN: 0928-0987.
 DT Article
 LA English
 SL English

L5 ANSWER 14 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1998:9591 BIOSIS
 DN PREV199800009591
 TI Protection of rat liver microsomes against carbon tetrachloride-induced lipid peroxidation by red Ginseng saponin through cytochrome P450 inhibition.
 AU Kim, Hyun Ju; Chun, Young Jin; Park, Jong Dae; Kim, Shin Il; Roh, Jung Koo; Jeong, Tae Cheon (1)
 CS (1) Toxicol. Research Center, Korea Research Inst. Chem. Technol., P.O. Box 107, Yusung, Taejon 305-606 South Korea
 SO Planta Medica, (Oct., 1997) Vol. 63, No. 5, pp. 415-418.
 ISSN: 0032-0943.
 DT Article
 LA English

L5 ANSWER 15 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1996:192350 BIOSIS
 DN PREV199698748479
 TI **Ginsenosides** in roots and leaves of American ginseng.
 AU Li, T. S. C.; Mazza, G. (1); Cottrell, A. C.; Gao, L.
 CS (1) Agric. Agri-Food Canada, Res. Centre, Summerland, BC V0H 1Z0 Canada
 SO Journal of Agricultural and Food Chemistry, (1996) Vol. 44, No. 3, pp. 717-720.
 ISSN: 0021-8561.
 DT Article
 LA English

L5 ANSWER 16 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1995:319065 BIOSIS
 DN PREV199598333365
 TI **Ginsenoside** synthesis in *Panax ginseng* tissue culture.
 AU Choi, Kwang-Tae; An, In-Ok; Park, Ji-Chang
 CS Korean Inst. Ginseng Tob., Science Town, Taejon 305-345 South Korea
 SO Fiziologiya Rastenii (Moscow), (1994) Vol. 41, No. 6, pp. 891-895.
 ISSN: 0015-3303.
 DT Article
 LA Russian
 SL Russian

L5 ANSWER 17 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1994:230258 BIOSIS
 DN PREV199497243258
 TI Saponins from Vietnamese ginseng, *Panax vietnamensis* HA et GRUSHV.

Collected in central Vietnam. II.
 AU Duc, Nguyen Minh; Kasai, Ryoji; Ohtani, Kazuhiro; Ito, Aiko; Nham, Nguyen
 Thoi; Yamasaki, Kazuo (1); Tanaka, Osamu
 CS (1) Inst. Pharm. Sci., Hiroshima Univ. Sch. Med., Kasumi, Minami-ku,
 Hiroshima 734 Japan
 SO Chemical & Pharmaceutical Bulletin (Tokyo), (1994) Vol. 42, No. 1, pp.
 115-122.
 ISSN: 0009-2363.
 DT Article
 LA English

L5 ANSWER 18 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1994:164983 BIOSIS
 DN PREV199497177983
 TI Saponins from Vietnamese ginseng, *Panax vietnamensis* Ha et Grushv.
 collected in central Vietnam: I.
 AU Nguyen Minh Duc, Nguyen Thoi Nham; Kasai, Ryoji; Ito, Aiko; Yamasaki,
 Kazuo (1); Tanaka, Osamu
 CS (1) Inst. Pharm. Sci., Hiroshima Univ. Sch. Med., Kasumi, Minami-ku,
 Hiroshima 734 Japan
 SO Chemical & Pharmaceutical Bulletin (Tokyo), (1993) Vol. 41, No. 11, pp.
 2010-2014.
 ISSN: 0009-2363.
 DT Article
 LA English

L5 ANSWER 19 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1993:503468 BIOSIS
 DN PREV199396127475
 TI Factors affecting the growth and hyoscyamine production during batch
 culture of transformed roots of *Datura stramonium*.
 AU Hilton, M. G.; Rhodes, M. J. C. (1)
 CS (1) Plant Cell Biotechnol. Group, AFRC Inst. Food Res., Norwich Research
 Park, Colney Lane, Norwich NR4 7UA UK
 SO Planta Medica, (1993) Vol. 59, No. 4, pp. 340-344.
 ISSN: 0032-0943.
 DT Article
 LA English

L5 ANSWER 20 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1993:232014 BIOSIS
 DN PREV199395123189
 TI Combination of HPLC and californium-252 plasma desorption mass
 spectrometry for identifying **composition** of ginseng tinctures.
 AU Elkin, Yuri N. (1); Makhankov, Vecheslav V. (1); Uvarova, Nina L. (1);
 Bondarenko, Pavel V.; Zubarev, Roman A.; Knysh, Anatoly N.
 CS (1) Pacific Inst. Bioorganic Chem., Far East Div., Russian Acad. Sci.,
 Vladivostok 690022 Russia
 SO Acta Pharmacologica Sinica, (1993) Vol. 14, No. 2, pp. 97-100.
 ISSN: 0253-9756.
 DT Article
 LA English

L5 ANSWER 21 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1993:7799 BIOSIS
 DN PREV199395007799
 TI Chemical structure of the biomass of ginseng tissue culture: V.
 Experience
 with obtaining cell cultures, the producers of **ginsenosides** from
 a ginseng population from Primorski Krai.

AU Konstantinova, N. A. (1); Mak'kov, V. V.; Uvarova, N. I.; Samoshina, N. F.; Atopkina, L. N.; Malinovskaya, G. V.; Zaitseva, G. V.; Mikhailova, N. G.
CS (1) All-Union Res. Inst. Biochem. Machine Project, Minist. Med. Ind., Moscow Russia
SO Khimiya Prirodnkh Soedinenii, (1991) Vol. 0, No. 6, pp. 808-813. ISSN: 0023-1150.
DT Article
LA Russian
SL Russian

L5 ANSWER 22 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1992:505413 BIOSIS
DN BA94:123938
TI DAMMARANE GLYCOSIDE CONTENT IN VARIOUS CALLUS LINES OF PANAX-GINSENG C. A.

MEY.
AU BULGAKOV V P; ZHURAVLEV YU N; KOZYRENKO M M; BABKINA E N; UVAROVA N I; MAKHAN'KOV V V
CS BIOL.-SOIL INST., FAR EAST DEP., ACAD. SCI. RUSS., VLADIVOSTOK, RUSS.
SO RASTIT RESUR, (1991) 27 (3), 94-100.
CODEN: RRESA8. ISSN: 0033-9946.
FS BA; OLD
LA Russian

L5 ANSWER 23 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1992:234228 BIOSIS
DN BA93:122253
TI CHANGES OF **COMPOSITION** DURING STORAGE OF GINSENG DRINK PRODUCT.
AU JOO H-K; JUNG D-K; KIM N-D
CS DEP. AGRIC. CHEM., KON-KUK UNIV., SEOUL 133-701, KOREA.
SO J KOREAN AGRIC CHEM SOC, (1991) 34 (4), 339-343.
CODEN: JKACA7. ISSN: 0368-2897.
FS BA; OLD
LA Korean

L5 ANSWER 24 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1992:14154 BIOSIS
DN BR42:1854
TI STUDY OF THE CHEMICAL **COMPOSITION** OF COMMERCIAL ROOTS OF PANAX-GINSENG.
AU MALINOVSKAYA G V; MAKHAN'KOV V V; DENISENKO V A; UVAROV N I
CS PAC. OCEAN INST. BIOORG. CHEM., FAR EAST DEP., ACAD. SCI. USSR, VLADIVOSTOK, USSR.
SO Khim. Prir. Soedin., (1991) 0 (2), 294-295.
CODEN: KPSUAR. ISSN: 0023-1150.
DT Short Communication
FS BR; OLD
LA Russian

L5 ANSWER 25 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1990:287042 BIOSIS
DN BA90:17888
TI INFLUENCE OF THE GLYCOSIDES BETULAFOLIEN TRIOL AND ITS 3 EPIMER ON THE IN-VITRO GROWTH OF TUMOR CELLS.
AU SHENTSOVA E B; ANISIMOV M M; LEONKO YU N; ATOPKINA L N; SAMOSHINA N F; UVAROVA N I
CS PAC. OCEAN INST. BIOORG. CHEM., FAR EAST DEP., ACAD. SCI. USSR, VLADIVOSTOK, USSR.
SO ANTIBIOT KHI MIOTER, (1989) 34 (11), 831-833.

CODEN: ANKHEW. ISSN: 0235-2990.

FS BA; OLD
LA Russian

L5 ANSWER 26 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1990:222171 BIOSIS
DN BA89:119461
TI CHEMICAL CONSTITUENTS OF PANAX-GINSENG EXPOSED TO GAMMA IRRADIATION.
AU KWON J-H; BELANGER J M R; SIGOUIN M; LANTHIER J; WILLEMOT C; PARE J R J
CS ENVIRON. CANADA, RRET, OTTAWA, ONT. K1A 0H3, CAN.
SO J AGRIC FOOD CHEM, (1990) 38 (3), 830-834.
CODEN: JAFCAU. ISSN: 0021-8561.
FS BA; OLD
LA English

L5 ANSWER 27 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1990:112620 BIOSIS
DN BA89:62111
TI HIGH-PERFORMANCE LIQUID CHROMATOGRAPHIC ANALYSIS OF SAPONINS OF
PANAX-QUINQUEFOLIUM CULTIVATED IN YUNNAN CHINA.
AU YANG C; YAO R; RUAN D; CHEN Z; YAMAGUCHI H
CS LAB. PHYTOCHEM., KUNMING INST. BOTANY, ACAD. SINICA, KUNMING, CHINA.
SO ACTA BOT YUNNANICA, (1989) 11 (3), 276-284.
CODEN: YCWCDP. ISSN: 0253-2700.
FS BA; OLD
LA Chinese

L5 ANSWER 28 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1989:414247 BIOSIS
DN BR37:69710
TI CORRELATION BETWEEN THE CHEMICAL **COMPOSITION** AND MEMBRANOTROPIC
ACTIVITY OF BETULAFOLIOL GLYCOSIDES AND ITS 3 EPIMER.
AU ANISIMOV M M; LIKHATSKAYA G N; VOLKOVA O V; ATOPKINA L N; SAMOSHINA N F;
UVAROVA N I
CS PAC. OCEAN INST. BIOORG. CHEM., FAR EAST DEP., ACAD. SCI. USSR,
VLADIVOSTOK, USSR.
SO Khim. Prir. Soedin., (1988) 0 (6), 883-885.
CODEN: KPSUAR. ISSN: 0023-1150.
DT Short Communication
FS BR; OLD
LA Russian

L5 ANSWER 29 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1989:54963 BIOSIS
DN BA87:30963
TI ANALYSIS OF SAPONINS OF WILD PANAX-GINSENG.
AU YAMAGUCHI H; MATSUURA H; KASAI R; TANAKA O; SATAKE M; KOHDA H; IZUMI H;
NUNO M; KATSUKI S; ET AL
CS CENTRAL RES. LAB., WAKUNAGA PHARM. CO. LTD., SHIMOKOTACHI, 1624,
KOHDA-CHO, TAKATO-GUN, HIROSHIMA 729-64, JPN.
SO CHEM PHARM BULL (TOKYO), (1988) 36 (10), 4177-4181.
CODEN: CPBTAL. ISSN: 0009-2363.
FS BA; OLD
LA English

L5 ANSWER 30 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1988:334644 BIOSIS
DN BA86:41195
TI ANALYSIS OF GINSENG IV. HPLC DETERMINATION OF **GINSENOSIDES** IN
PANAX-GINSENG.

AU ZHOU Z H; ZHANG G D
 CS DEP. PHARM. ANALYSIS, INST. MATERIA MEDICA, CHINESE ACAD. MED. SCI.,
 BEIJING.
 SO ACTA PHARM SIN, (1988) 23 (2), 137-140.
 CODEN: YHHPAL. ISSN: 0513-4870.
 FS BA; OLD
 LA Chinese

L5 ANSWER 31 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1988:58829 BIOSIS
 DN BR34:25525
 TI THERAPEUTIC **COMPOSITION** FROM PLANT EXTRACTS.
 AU LIU Y
 CS 67-08 168TH ST., FRESH MEADOWS, N.Y. 11365, USA.
 PI US 4708949 24 Nov 1987
 SO Off. Gaz. U. S. Pat. Trademark Off., Pat., (1987) 1084 (4), 1924.
 CODEN: OGUPE7. ISSN: 0098-1133.
 DT Patent
 FS BR; OLD
 LA English

L5 ANSWER 32 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1987:410086 BIOSIS
 DN BR33:79764
 TI PHARMACEUTICAL **COMPOSITION** FOR INCREASING IMMUNITY AND
 DECREASING SIDE EFFECTS OF ANTICANCER CHEMOTHERAPY.
 AU LIU Y
 CS 30 SEAMAN AVE., NEW YORK, N.Y. 10034, USA.
 PI US 4687761 18 Aug 1987
 SO Off. Gaz. U. S. Pat. Trademark Off., Pat., (1987) 1081 (3), 1481.
 CODEN: OGUPE7. ISSN: 0098-1133.
 DT Patent
 FS BR; OLD
 LA English

L5 ANSWER 33 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1987:388583 BIOSIS
 DN BR33:68723
 TI PHARMACEUTICAL **COMPOSITION** CONTAINING PURE SAN-MAI-SEN.
 AU LIU Y
 CS 67-08, 168TH ST., FLUSHING, N.Y. 11365, USA.
 PI US 4684628 04 Aug 1987
 SO Off. Gaz. U. S. Pat. Trademark Off., Pat., (1987) 1081 (1), 357.
 CODEN: OGUPE7. ISSN: 0098-1133.
 DT Patent
 FS BR; OLD
 LA English

L5 ANSWER 34 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1987:73600 BIOSIS
 DN BR32:33793
 TI CHANGES IN CHEMICAL **COMPOSITION** OF GINSENG BY DECOCTION.
 AU LI H
 SO Zhongyao Tongbao, (1986) 11 (4), 194-200.
 CODEN: CYTPDT. ISSN: 0254-0029.
 FS BR; OLD
 LA Chinese

L5 ANSWER 35 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1987:68810 BIOSIS

DN BA83:37136
 TI SAPONINS OF PLANTS OF PANAX SPECIES COLLECTED IN CENTRAL NEPAL AND THEIR
 CHEMOTAXONOMICAL SIGNIFICANCE II.
 AU MORITA T; KONG Y-C; BUT P P-H; NG K-H; YIP T-T; KASAI R; TANAKA O
 CS INST. OF PHARMACEUTICAL SCI., HIROSHIMA UNIV. SCH. OF MED., KASUMI,
 MINAMI-KU, HIROSHIMA 734, JPN.
 SO CHEM PHARM BULL (TOKYO), (1986) 34 (10), 4368-4372.
 CODEN: CPBTAL. ISSN: 0009-2363.
 FS BA; OLD
 LA English

L5 ANSWER 36 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1986:236582 BIOSIS
 DN BA82:1086
 TI SAPONINS OF PLANTS OF PANAX SPECIES COLLECTED IN CENTRAL NEPAL CHINA AND
 THEIR CHEMOTAXONOMICAL SIGNIFICANCE I.
 AU NAMBA T; MATSUSHIGE K; MORITA T; TANAKA O
 CS INST. PHARMACEUTICAL SCI., HIROSHIMA UNIV. SCH. MED., KASUMI, MINAMI-KU,
 HIROSHIMA 734, JPN.
 SO CHEM PHARM BULL (TOKYO), (1986) 34 (2), 730-738.
 CODEN: CPBTAL. ISSN: 0009-2363.
 FS BA; OLD
 LA English

L5 ANSWER 37 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1986:106378 BIOSIS
 DN BA81:16794
 TI SAPONIN **COMPOSITION** OF RHIZOMES OF PANAX-JAPONICUS COLLECTED IN
 SOUTH KYUSHU JAPAN AND ITS SIGNIFICANCE IN ORIENTAL TRADITIONAL
 MEDICINE.
 AU MORITA T; TANAKA O; KOHDA H
 CS INST. PHARMACEUTICAL SCI., HIROSHIMA UNIV., SCH. MED., KASUMI, MINAMI-KU,
 HIROSHIMA 734, JAPAN.
 SO CHEM PHARM BULL (TOKYO), (1985) 33 (9), 3852-3858.
 CODEN: CPBTAL. ISSN: 0009-2363.
 FS BA; OLD
 LA English

L5 ANSWER 38 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1985:392239 BIOSIS
 DN BA80:62231
 TI QUANTITATIVE ANALYSIS OF **GINSENOSES** IN FRESH PANAX-GINSENG.
 AU YIP T T; LAU C N B; BUT P P H; KONG Y C
 CS DEP. BIOCHEM., CHINESE UNIV. HONG KONG, SHATIN, N.T., HONG KONG.
 SO AM J CHIN MED, (1985) 13 (1-4), 77-88.
 CODEN: AJCMBA. ISSN: 0192-415X.
 FS BA; OLD
 LA English

L5 ANSWER 39 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1985:392236 BIOSIS
 DN BA80:62228
 TI **GINSENOSE COMPOSITIONS** OF PANAX-GINSENG TISSUE
 CULTURE AND JUICE.
 AU YIP T T; LAU C N B; KONG Y C; YUNG K H; KIM J H; WOO W S
 CS DEP. BIOCHEM., CHINESE UNIV. HONG KONG, SHATIN, N.T., HONG KONG.
 SO AM J CHIN MED, (1985) 13 (1-4), 89-92.
 CODEN: AJCMBA. ISSN: 0192-415X.
 FS BA; OLD
 LA English

L5 ANSWER 40 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1985:391225 BIOSIS
 DN BA80:61217
 TI STUDIES ON THE ANTI-AGING ACTION OF KOREAN GINSENG PANAX-GINSENG 2. THE
 INHIBITORY EFFECTS OF DIOL AND TRIOL SAPONINS ON LIPOPEROXIDE FORMATION.
 AU CHOI J-H; OH S-K
 CS DEP. NUTRITION FOOD SCI., NATL. FISHERIES UNIV. PUSAN.
 SO KOREAN BIOCHEM J, (1984 (RECD 1985)) 17 (4), 445-455.
 CODEN: KBCJAK. ISSN: 0368-4881.
 FS BA; OLD
 LA English

L5 ANSWER 41 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1980:287713 BIOSIS
 DN BA70:80209
 TI TISSUE CULTURE OF GINSENG PANAX-GINSENG 1. CHEMICAL **COMPOSITION**
 OF THE BIOMASS OF A GINSENG TISSUE CULTURE.
 AU VYSOTSKAYA R I; SLEPYAN L I
 CS LENINGR. CHEM.-PHARM. INST., LENINGRAD, USSR.
 SO RASTIT RESUR, (1980) 16 (1), 123-129.
 CODEN: RRESA8. ISSN: 0033-9946.
 FS BA; OLD
 LA Russian

L5 ANSWER 42 OF 181 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1994-05276 BIOTECHDS
 TI Saponin production on callus and cell suspension cultures of Panax
 quinquefolium;
 ginsenoside production from ginseng callus culture and
 suspension cell culture
 AU Mathur A; Shukla Y N; Pal M; Ahuja P S; Uniyal G C
 CS Cent.Inst.Med.+Aromatic-Plants
 LO Plant Tissue Culture Division, Central Institute of Medicinal and
 Aromatic Plants, P.O. CIMAP, Lucknow 226015, India.
 SO Phytochemistry; (1994) 35, 5, 1221-25
 CODEN: PYTCAS
 DT Journal
 LA English

L5 ANSWER 43 OF 181 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1993-09472 BIOTECHDS
 TI Production of ginseng saponin in tissue culture of ginseng (Panax
 ginseng) C.A. Meyer;
 ginsenoside production by ginseng root culture and callus
 culture (conference abstract)
 AU Choi K T; Ahn I O; Park J C
 LO Division of Genetics & Physiology, Korea Ginseng & Tobacco Research
 Institute, Taejon, Korea.
 SO Plant Physiol.; (1993) 102, 1, Suppl., 31
 CODEN: PLPHAY
 DT Journal
 LA English

L5 ANSWER 44 OF 181 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1987-09810 BIOTECHDS
 TI Large scale tissue culture of Panax ginseng root;
 saponin **ginsenoside** production (conference abstract)
 AU Ushiyama K; Oda H; Miyamoto Y; Furuya T
 CS Nitto-Electric

LO Biochemical Research Laboratory, Nitto Electric Industrial Co. Ltd.,
 Ibaraki Osaka 567, Japan.
 SO Int.Congr.Plant Tissue Cell Cult; (1986) 6 Meet., 252
 DT Journal
 LA English

L5 ANSWER 45 OF 181 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1986-05801 BIOTECHDS
 TI Saponins of plants of *Panax* species collected in central Nepal and their
 chemotaxonomical significance. I;
 Panax pseudo-ginseng a medicinal plant
 AU Namba T; Matsushige K; Morita T; *Tanaka O
 LO Institute of Pharmaceutical Sciences, Hiroshima University School of
 Medicine, Kasumi, minami-ku, Hiroshima 734, Japan.
 SO Chem.Pharm.Bull.; (1986) 34, 2, 730-38
 CODEN: CPBTAL
 DT Journal
 LA English

L5 ANSWER 46 OF 181 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1986-01694 BIOTECHDS
 TI Saponin **composition** of rhizomes of *Panax japonicus* collected in
 South Kyushu, Japan, and its significance in oriental traditional
 medicine;
 ginseng medicinal plant
 AU Morita T; *Tanaka O; Kohda H
 LO Institute of Pharmaceutical Sciences, Hiroshima University, School of
 Medicine, Kasumi, Minami-ku, Hiroshima 734, Japan.
 SO Chem.Pharm.Bull.; (1985) 33, 9, 3852-58
 CODEN: CPBTAL
 DT Journal
 LA English

L5 ANSWER 47 OF 181 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1985-01759 BIOTECHDS
 TI Quantitative determination of biologically active constituents in crude
 extracts of medicinal plants by thin-layer chromatography-densitometry:
 II. *Eleutherococcus senticosus* Maxim. *Panax ginseng* Meyer and
Picrorrhiza
 kurroa Royle;
 eleutheroside E specificity and sensitivity
 AU Vanhaelen M; Vanhaelen-Fastre R
 LO Pharmaceutical Institute, Free University of Brussels (U.L.B.), Campus
 Plaine 205-4, Boulevard du Triomphe, B-1050 Brussels, Belgium.
 SO J.Chromatogr.; (1984) 312, 497-503
 CODEN: JOCRAM
 DT Journal
 LA English

L5 ANSWER 48 OF 181 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1984-10094 BIOTECHDS
 TI Alpha-glucosyl ginsenoside derivative;
 useful in foodstuffs pharmaceuticals etc.
 PA Hayashibara
 PI FR 2538395 29 Jun 1984
 AI FR 1983-20660 23 Dec 1983
 PRAI JP 1982-25809 24 Dec 1982
 DT Patent
 LA French
 OS WPI: 1984-190753 [31]

L5 ANSWER 49 OF 181 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
 AN 1983-07370 BIOTECHDS
 TI Chemical studies on crude drug precession: I. on the constituents of
 Ginseng Radix Rubra (1);
 isolation and identification
 AU Kitagawa I; Yoshikawa M; Yoshihara M; Hayashi T; Taniyama T
 CS Koshiro
 LO Faculty of Pharmaceutical Sciences, Osaka University, 1-6 Yamada-oka,
 Suita, Osaka, 565, Japan.
 SO J.Pharm.Soc.Jpn.; (1983) 103, 6, 612-22
 CODEN: YKKZAJ
 DT Journal
 LA Japanese

L5 ANSWER 50 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:420719 CAPLUS
 DN 135:105044
 TI Glycosides of the epigeal part of Panax ginseng
 AU Malinovskaya, G. V.; Vorob'ev, O. Yu.; Makhan'kov, V. V.; Denisenko, V.
 A.; Uvarova, N. I.; Elyakov, G. B.
 CS Pacific Ocean Inst. Bioorganic Chem., Russian Acad. Sci., Vladivostok,
 Russia
 SO Khimiya Prirodnikh Soedinenii (1992), (6), 686-690
 CODEN: KPSUAR; ISSN: 0023-1150
 PB Izdatel'stvo Fan
 DT Journal
 LA Russian

=> d 15 51-100

L5 ANSWER 51 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:158059 CAPLUS
 DN 132:171066
 TI **Compositions** containing panaxadiol saponins for preveting or
 treating mutation-related, radical-induced or physical damage-induced
 diseases
 IN Ma, Xingyuan; Chen, Yanping; Meng, Qin; Wang, Luli; Xu, Jingda; Mo,
 Naihan; Sun, Guangxue
 PA Huangfeng Ginseng Pharmaceutical Co., Ltd., Jilin, Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
 CODEN: CNXXEV
 DT Patent
 LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	CN 1187352	A	19980715	CN 1998-100069	19980122

L5 ANSWER 52 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:3328 CAPLUS
 DN 132:26660
 TI Cosmetic emulsions containing hydrocarbons and phospholipids
 IN Meybeck, Alain
 PA LVMH Recherche, Fr.
 SO Fr. Demande, 11 pp.
 CODEN: FRXXBL
 DT Patent
 LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	FR 2777194	A1	19991015	FR 1998-4542	19980410
	FR 2777195	A1	19991015	FR 1999-4276	19990406
PRAI	FR 1998-4542		19980410		

L5 ANSWER 53 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 2000:520 CAPLUS

DN 132:26655

TI Cosmetic or dermatological water-in-oil emulsions containing cyclomethicones and phospholipids

IN Meybeck, Alain

PA LVMH Recherche, Fr.

SO Fr. Demande, 12 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	FR 2777181	A1	19991015	FR 1998-4543	19980410
OS	MARPAT 132:26655				

L5 ANSWER 54 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 2000:519 CAPLUS

DN 132:40316

TI Cosmetic or dermatological water-in-oil type emulsions containing light hydrocarbons and phospholipids

IN Meybeck, Alain; Guillaume, Bruno

PA LVMH Recherche, Fr.

SO Fr. Demande, 15 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	FR 2777180	A1	19991015	FR 1998-4541	19980410

L5 ANSWER 55 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 2000:518 CAPLUS

DN 132:26654

TI Cosmetic or dermatological **compositions** comprising a hydrophobic liquid-based vehicle

IN Meybeck, Alain

PA LVMH Recherche, Fr.

SO Fr. Demande, 22 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	FR 2777179	A1	19991015	FR 1998-4440	19980409

L5 ANSWER 56 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1999:808545 CAPLUS

DN 132:40336

TI Cosmetic or pharmaceutical, particularly dermatological,

composition containing a Bertholletia extract
IN Bonte, Frederic; Dumas, Marc; Lavaud, Catherine; Massiot, Georges
PA Lvmh Recherche, Fr.
SO U.S., 10 pp., Cont.-in-part of Ser. No. WO96FR-9600256.
CODEN: USXXAM

DT Patent
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6004568	A	19991221	US 1997-917622	19970811
	WO 9625143	A1	19960822	WO 1996-FR256	19960216
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2752527	A1	19980227	FR 1996-10356	19960822
	FR 2752527	B1	19981113		
	EP 826367	A2	19980304	EP 1997-401946	19970819
	EP 826367	A3	19990203		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	WO 1996-FR256	A2	19960216		
	FR 1996-10356	A	19960822		
	FR 1995-1840	A	19950217		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 57 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1999:492644 CAPLUS
DN 132:44912
TI Effects of **compositions** of saponin fraction from Korean red ginseng in the relaxation of rabbit and rat corpus cavernosum
AU Choi, Young Deuk; Park, Jin Ah; Choi, Hyung Ki; Nam, Ki Yeul
CS Department of Urology, Yonsei University College of Medicine, Seoul, S. Korea
SO Journal of Ginseng Research (1999), 23(1), 13-20
CODEN: JGREF7; ISSN: 1226-8453
PB Korean Society of Ginseng
DT Journal
LA Korean

L5 ANSWER 58 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1999:394135 CAPLUS
DN 131:327390
TI Gynostemma pentaphyllum: identification of major sapogenins and differentiation from Panax species
AU Cui, J.-F.; Eneroth, P.; Bruhn, J. G.
CS Karolinska Institute, Clinical Research Centre, Huddinge University Hospital, Huddinge, SE-141 86, Swed.
SO European Journal of Pharmaceutical Sciences (1999), 8(3), 187-191
CODEN: EPSCED; ISSN: 0928-0987
PB Elsevier Science Ireland Ltd.
DT Journal
LA English

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 59 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1999:350022 CAPLUS
DN 131:139393
TI Psychopharmacological studies on the effects of **ginsenosides**

from ginseng root or ginseng stem and leaf on group-housed and isolated mice

AU Ni, Xiaohu; Yang, Liu; Lu, Yuqi; Jiang, Chengzhong; Zhu, Yunxiu; Liu, Liduo
CS Heilongjiang College of Commerce, Haerbin, 150076, Peop. Rep. China
SO Zhongcaoyao (1999), 30(3), 193-196
CODEN: CTYAD8; ISSN: 0253-2670
PB Guojia Yiyao Guanliju Tianjin Yaowu Yanjiusuo
DT Journal
LA Chinese

L5 ANSWER 60 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1999:191243 CAPLUS
DN 131:16402

TI New dammarane saponins from Vietnamese ginseng
AU Duc, Nguyen Minh; Kasai, Ryoji; Yamasaki, Kazuo; Nham, Nguyen Thoi; Tanaka, Osamu
CS Department of Pharmacognosy, HCMC University of Medicine and Pharmacy, HoChiMinh, Vietnam
SO Studies in Plant Science (1999), 6(Advances in Plant Glycosides, Chemistry and Biology), 77-82
CODEN: SPLCEU; ISSN: 0928-3420
PB Elsevier Science B.V.
DT Journal
LA English

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 61 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1999:87996 CAPLUS
DN 130:301550
TI Relationship of saponin and non-saponin for the quality of Ginseng
AU Nam, Ki Yeul; Ko, Sung Ryong; Choi, Kang Ju
CS Korea Ginseng and Tobacco Research Institute, Taejon, 305-345, S. Korea
SO Journal of Ginseng Research (1998), 22(4), 274-283
CODEN: JGREF7; ISSN: 1226-8453
PB Korean Society of Ginseng
DT Journal
LA Korean

L5 ANSWER 62 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1998:440289 CAPLUS
DN 129:174786
TI Comparative effects of gamma irradiation and ozone treatment on hygienic quality of Korean red ginseng powder
AU Byun, Myung-Woo; Yook, Hong-Sun; Kang, Il-Jun; Chung, Cha-Kwon; Kwon, Joong-Ho; Choi, Kang-Ju
CS Department of Food Irradiation, Korea Atomic Energy Research Institute, Taejon, 305-353, S. Korea
SO Radiat. Phys. Chem. (1998), 52(1-6), 95-99
CODEN: RPCHDM; ISSN: 0969-806X
PB Elsevier Science Ltd.
DT Journal
LA English

L5 ANSWER 63 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1998:356293 CAPLUS
DN 129:58880
TI Determination of ginseng saponins by HPLC-photodiode assay UV-VIS

detection

AU Liu, Jun; Wang, Yanhuan; Fu, Chengguang
 CS Baoding Institute Drug Control, Baoding, 071000, Peop. Rep. China
 SO Zhongcaoyao (1998), 29(4), 228-230
 CODEN: CTYAD8; ISSN: 0253-2670
 PB Guojia Yiyao Guanliju Tianjin Yaowu Yanjiusuo
 DT Journal
 LA Chinese

L5 ANSWER 64 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:174037 CAPLUS
 DN 128:318266
 TI Characteristics of the neuroprotective activity of triterpene glycosides and the ZhenSolar **composition** developed from them
 AU Popov, A. M.; Malinovskaya, G. V.; Uvarova, N. I.; Antopkina, L. N.; Loenko, Yu. N.; Artyukov, A. A.; Elyakov, G. B.
 CS Tikhookean. Inst. Bioorg. Khim., Dal'nevost. Otd. Ross. Akad. Nauk, Vladivostok, Russia
 SO Dokl. Akad. Nauk (1998), 358(3), 413-415
 CODEN: DAKNEQ; ISSN: 0869-5652
 PB MAIK Nauka
 DT Journal
 LA Russian

L5 ANSWER 65 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:581103 CAPLUS
 DN 127:245499
 TI Differentiation between Panax ginseng C.A. Mey and Panax quinquefolium linn by HPLC
 AU Li, Haozhi; Xie, Mufeng; Pei, Yuping; Chen, Yingjie; Gao, Shangwei; Jin, Fushan
 CS Dep. Pharmacy, Shenyang Pharmaceutical Univ., Shenyang, 110015, Peop. Rep. China
 SO Shenyang Yaoke Daxue Xuebao (1997), 14(2), 124-125
 CODEN: SYDXFF; ISSN: 1006-2858
 PB Shenyang Yaoke Daxue Xuebao Bianjibu
 DT Journal
 LA Chinese

L5 ANSWER 66 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:489686 CAPLUS
 TI Panax ginseng: Standardisation and biological activity.
 AU Soldati, F.
 CS RandD Pharmaton SA, Lugano, CH-6903, Switz.
 SO Book of Abstracts, 214th ACS National Meeting, Las Vegas, NV, September 7-11 (1997), AGRO-139 Publisher: American Chemical Society, Washington, D. C.
 CODEN: 64RNAO
 DT Conference; Meeting Abstract
 LA English

L5 ANSWER 67 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:460804 CAPLUS
 DN 127:134965
 TI Changes in chemical and sensory characteristics of dongchimi juice during fermentation with the addition of Panax ginseng C.A. Meyer
 AU Oh, Hoon-Il; Kwon, Soo-Mi; Shin, Tai-Sun
 CS Department of Food Science and Technology, Sejong University, Seoul,

143-747, S. Korea
 SO Koryo Insam Hakhoechi (1996), 20(3), 307-317
 CODEN: KINHEK; ISSN: 1016-2615
 PB Society for Korean Ginseng
 DT Journal
 LA Korean

L5 ANSWER 68 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:62993 CAPLUS
 DN 126:142079
 TI Growth and glycoside accumulation of ginseng callus tissue culture under
 a long-term action of exogenous phytohormones
 AU Gubar, S. I.; Gul'ko, T. P.; Kunakh, V. A.
 CS Inst. Molecular Biol. Genetics, National Acad. Sci. Ukraine, Kiev,
 252143,
 Ukraine
 SO Russ. J. Plant Physiol. (Transl. of Fiziol. Rast. (Moscow)) (1997),
 44(1),
 83-89
 CODEN: RJPPE2; ISSN: 1021-4437
 PB MAIK Nauka/Interperiodica
 DT Journal
 LA English

L5 ANSWER 69 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:34689 CAPLUS
 DN 126:162242
 TI **Compositions** and method of treating cardio-, cerebro-vascular
 and Alzheimer's diseases and depression
 IN Tashiro, Renki; Pater, Ruth H.
 PA Tashiro, Renki, Japan; Pater, Ruth H.
 SO U.S., 22 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 5589182	A	19961231	US 1993-161350	19931206

L5 ANSWER 70 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:509801 CAPLUS
 DN 125:150797
 TI Cosmetic or pharmaceutical **compositions** containing Smelophyllum
 capense extract for controlling skin ageing
 IN Bonte, Frederic; Dumas, Marc; Lavaud, Catherine; Massiot, Georges
 PA Lvmh Recherche, Fr.
 SO PCT Int. Appl., 16 pp.
 CODEN: PIXXD2

DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9620000	A1	19960704	WO 1995-FR1724	19951222
	W: JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2728465	A1	19960628	FR 1994-15576	19941223
	FR 2728465	B1	19970314		

	EP 799049	A1	19971008	EP 1995-943268	19951222
	R: BE, CH, DE, ES, FR, GB, IT, LI				
	JP 10511380	T2	19981104	JP 1995-520260	19951222
	US 5807555	A	19980915	US 1997-849453	19970618
PRAI	FR 1994-15576		19941223		
	WO 1995-FR1724		19951222		

L5 ANSWER 71 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:385006 CAPLUS
 DN 125:67937
 TI Isolation and determination of polypeptide from red ginseng root hair
 AU Jiao, Lianqin; Wei, Junjie; Xu, Jinda; Yu, Min
 CS Bethune Memorial Univ. Medical. Scis., Changchun, 130021, Peop. Rep. China
 SO Zhongcaoyao (1996), 27(2), 70-2
 CODEN: CTYAD8; ISSN: 0253-2670
 DT Journal
 LA Chinese

L5 ANSWER 72 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:128652 CAPLUS
 DN 124:170547
 TI **Ginsenosides** in Roots and Leaves of American Ginseng
 AU Li, T. S. C.; Mazza, G.; Cottrell, A. C.; Gao, L.
 CS Research Centre, Agriculture and Agri-Food Canada, Summerland, BC, V0H 1Z0, Can.
 SO J. Agric. Food Chem. (1996), 44(3), 717-20
 CODEN: JAFCAU; ISSN: 0021-8561
 DT Journal
 LA English

L5 ANSWER 73 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:113949 CAPLUS
 DN 124:170638
 TI Comparison of agronomic characteristics and chemical component of Panax ginseng C.A. Meyer and Panax quinquefolium L.
 AU Chung, Youl Young; Chung, Chan Moon; Ko, Sung Ryoung; Choi, Kwang Tae
 CS Korea and Ginseng Tobacco Research Institute, Taejon, 302-345, S. Korea
 SO Koryo Insam Hakhoechi (1995), 19(2), 160-4
 CODEN: KINHEK; ISSN: 1016-2615
 DT Journal
 LA English

L5 ANSWER 74 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:113946 CAPLUS
 DN 124:185741
 TI Component profile analysis of irradiated Korean white ginseng powder
 AU Han, Byung Hoon; Han, Youn Nam; Ryu, Jae-Ha; Kim, Yong Chul; Kang, Young Hwa; Kwon, Jung-Ho; Chin, Kang
 CS Natural Products Research Institute, Seoul Natl. University, S. Korea
 SO Koryo Insam Hakhoechi (1995), 19(2), 138-43
 CODEN: KINHEK; ISSN: 1016-2615
 DT Journal
 LA English

L5 ANSWER 75 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:109792 CAPLUS
 DN 124:170618
 TI Content and **composition** of saponin compounds of Panax species
 AU Ko, Sung-Ryong; Choi, Kang-Ju; Kim, Seok-Chang; Han, Kang-Wan

CS Korea Ginseng and Tobacco Res. Inst., Taejon, 305-345, S. Korea
 SO Koryo Insam Hakhoechi (1995), 19(3), 254-9
 CODEN: KINHEK; ISSN: 1016-2615
 DT Journal
 LA Korean

L5 ANSWER 76 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:954795 CAPLUS
 DN 123:350231
 TI Use of **ginsenoside** Ro or a plant extract containing same for
 promotion of collagen synthesis for pharmaceuticals and cosmetics
 IN Meybeck, Alain; Bonte, Frederic; Dumas, Marc; Chaudagne, Catherine
 PA LVMH Recherche, Fr.
 SO PCT Int. Appl., 26 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9525524	A1	19950928	WO 1995-FR326	19950317
	W: CA, CN, JP, KR, MX, RU, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2717389	A1	19950922	FR 1994-3194	19940318
	FR 2717389	B1	19960607		
	EP 751777	A1	19970108	EP 1995-914381	19950317
	R: BE, CH, DE, ES, FR, GB, IT, LI				
	CN 1146153	A	19970326	CN 1995-192639	19950317
	JP 10500395	T2	19980113	JP 1995-524426	19950317
	US 5747538	A	19980505	US 1996-716363	19960918
PRAI	FR 1994-3194		19940318		
	WO 1995-FR326		19950317		

L5 ANSWER 77 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:761785 CAPLUS
 DN 123:152905
 TI creams or pastes for whole body or facial massage
 IN Takano, Hideko
 PA Takano Hideko, Japan
 SO Jpn. Kokai Tokkyo Koho, 3 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07157410	A2	19950620	JP 1993-343783	19931206

L5 ANSWER 78 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:717927 CAPLUS
 DN 123:251233
 TI Chemical constituents from root bark of *Aralia armata* (Wall.) Seem
 AU Fang, Zhapu; Lei, Jiangling; Zeng, Xianyi
 CS Jiangxi Inst. Mater. Medica, Nanchang, 330029, Peop. Rep. China
 SO Zhiwu Xuebao (1995), 37(1), 74-80
 CODEN: CHWHAY; ISSN: 0577-7496
 DT Journal
 LA Chinese

L5 ANSWER 79 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1995:633238 CAPLUS
 DN 123:29584
 TI Chemical components of rusty root of ginseng
 AU Lee, Tae Su; Mok, Sung Kyun; Cheon, Seong Ki; Choi, Kang Ju; Choe, Jyung
 CS Korea Ginseng Tobacco Res. Inst., Taejon, 305-345, S. Korea
 SO Koryo Insam Hakhoechi (1995), 19(1), 77-83
 CODEN: KINHEK; ISSN: 1016-2615
 DT Journal
 LA Korean

L5 ANSWER 80 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:633237 CAPLUS
 DN 123:65660
 TI Effect of controlled atmosphere and modified atmosphere storage on the
 apparent quality and saponin component of fresh and red ginseng
 AU Jeon, Byoeng-Seon; Sung, Hyun-Soon; Yang, Jai-Won; Park, Chae-Kyu; Chang,
 Kyu-Seob
 CS Korea Ginseng Tobacco Res. Inst., Taejon, 305-345, S. Korea
 SO Koryo Insam Hakhoechi (1995), 19(1), 62-72
 CODEN: KINHEK; ISSN: 1016-2615
 DT Journal
 LA Korean

L5 ANSWER 81 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:333501 CAPLUS
 DN 122:128641
 TI Production of ginseng saponin in tissue culture of ginseng (*Panax ginseng*
 C.A. Meyer)
 AU Choi, Kwang-Tae; Park, Ji-Chang
 CS S. Korea
 SO Fiziol. Rast. (Moscow) (1994), 41(6), 891-5
 CODEN: FZRSAB; ISSN: 0015-3303
 DT Journal
 LA Russian

L5 ANSWER 82 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:708108 CAPLUS
 DN 121:308108
 TI Chemical components and physicochemical properties of precipitates in red
 ginseng extracts isolated by centrifugation
 AU Kim, Na-Mi; Yang, Jae-Won; Kwak, Yi-Sung; Sung, Hyun-Soon
 CS Korea Ginseng and Tobacco Research Institute, Taejon, 305-345, S. Korea
 SO Koryo Insam Hakhoechi (1994), 18(2), 122-7
 CODEN: KINHEK; ISSN: 1016-2615
 DT Journal
 LA Korean

L5 ANSWER 83 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:553267 CAPLUS
 DN 121:153267
 TI Saponins from Vietnamese ginseng, *Panax vietnamensis* Ha et Grushv.
 collected in central Vietnam. I
 AU Nguyen Minh Duc; Nguyen Thoi Nham; Kasai, Ryoji; Ito, Aiko; Yamasaki,
 Kazuo; Tanaka, Osamu
 CS Ho Chi Minh City Univ., Ho Chi Minh City, Vietnam
 SO Chem. Pharm. Bull. (1993), 41(11), 2010-14
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English

L5 ANSWER 84 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:499421 CAPLUS
 DN 121:99421
 TI Effects of Panax notoginseng saponins on myocardial adenosine triphosphatase
 AU Chen, Jiqiu; Zhang, Yueguang; Li, Shenglian; Zeng, Qing; Rong, Mingzhi
 CS Dep. Pathophysiol., Guilin Med. Coll., Guilin, 541001, Peop. Rep. China
 SO Zhongguo Yaoli Xuebao (1994), 15(4), 347-50
 CODEN: CYLPDN; ISSN: 0253-9756
 DT Journal
 LA English

L5 ANSWER 85 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:499365 CAPLUS
 DN 121:99365
 TI Influence of 11 **ginsenoside** monomers on the free radical contents of myocardiocytes as studied by ESR
 AU Zhong, GuoGan; Qi, Hui; Zhao, ChunYan; Jiang, Yan; Ma, XingYuan; Xu, JingDa
 CS Dep. Physiol., Norman Bethune Univ. Med. Sci., Changchun, 130021, Peop. Rep. China
 SO Shengwu Huaxue Yu Shengwu Wuli Xuebao (1993), 25(6), 667-72
 CODEN: SHWPAU; ISSN: 0582-9879
 DT Journal
 LA Chinese

L5 ANSWER 86 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:453902 CAPLUS
 DN 121:53902
 TI Saponins from Vietnamese ginseng, Panax vietnamensis Ha et Grushv. Collected in central Vietnam. II
 AU Nguyen Minh Duc; Kasai, Ryoji; Ohtani, Kazuhiro; Ito, Aiko; Nguyen Thoi Nham; Yamasaki, Kazuo; Tanaka, Osamu
 CS Science-Prod. Cent. Vietnamese Ginseng, Ho Chi Minh City Univ. Med. Pharm., Ho Chi Minh City, Vietnam
 SO Chem. Pharm. Bull. (1994), 42(1), 115-22
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English

L5 ANSWER 87 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:417811 CAPLUS
 DN 121:17811
 TI chemical investigation of the crude drugs stored in Shosoin for over twelve hundred years
 AU Shibata, Shoji
 CS Meiji Coll. Pharm., Tokyo, 154, Japan
 SO Int. J. Pharmacogn. (1994), 32(1), 75-89
 CODEN: IJPYEW; ISSN: 0925-1618
 DT Journal
 LA English

L5 ANSWER 88 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:417710 CAPLUS
 DN 121:17710
 TI Cosmetic or dermatologic **composition** containing at least one saponin of the **ginsenoside** type, and its applications, particularly to hair care
 IN Meybeck, Alain; Bonte, Frederic; Dumas, Marc
 PA LVMH Recherche, Fr.

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9406402	A2	19940331	WO 1993-FR899	19930917
	WO 9406402	A3	19940511		
	W: CA, JP, KR, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2695561	A1	19940318	FR 1992-11104	19920917
	FR 2695561	B1	19941202		
	EP 660698	A1	19950705	EP 1993-920895	19930917
	EP 660698	B1	19970806		
	R: BE, CH, DE, ES, FR, GB, IT, LI, MC				
	JP 08503931	T2	19960430	JP 1993-507860	19930917
	US 5663160	A	19970902	US 1995-387824	19950505
PRAI	FR 1992-11104		19920917		
	WO 1993-FR899		19930917		

L5 ANSWER 89 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1994:400447 CAPLUS

DN 121:447

TI Differences in immunomodulating effects between wild and cultured *Panax ginseng*

AU Mizuno, Masashi; Yamada, Junko; Terai, Hirofumi; Kozukue, Nobuyuki; Lee, Yong Shun; Tsuchida, Hironobu

CS Lab. Utilizat. Biol. Resour., Kobe Univ., Kobe, 657, Japan

SO Biochem. Biophys. Res. Commun. (1994), 200(3), 1672-8

CODEN: BBRCA9; ISSN: 0006-291X

DT Journal

LA English

L5 ANSWER 90 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1994:212567 CAPLUS

DN 120:212567

TI High-performance liquid chromatographic analysis of **ginsenosides** in *Panax ginseng*, *P. quinquefolium*, and *P. notoginseng*

AU Lang, Wensheng; Lou, Zhicen; But, Paul Puihay

CS Sch. Pharm. Sci., Beijing Med. Univ., Beijing, 100083, Peop. Rep. China

SO J. Chin. Pharm. Sci. (1993), 2(2), 133-43

CODEN: JCHSE4

DT Journal

LA English

L5 ANSWER 91 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1994:45829 CAPLUS

DN 120:45829

TI **Ginsenoside** Rg1 inhibits the brain cAMP phosphodiesterase activity in young and aged rats

AU Stancheva, Stefanka L.; Alova, Liana G.

CS Dep. Exp. Pharmacol., Inst. Physiol., Sofia, 1113, Bulg.

SO Gen. Pharmacol. (1993), 24(6), 1459-62

CODEN: GEPHDP; ISSN: 0306-3623

DT Journal

LA English

L5 ANSWER 92 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1994:23099 CAPLUS

DN 120:23099
 TI Influence of 11 **ginsenoside** monomers on action potentials of cardiomyocytes
 AU Jiang, Yan; Chen, Long; Sun, Chengwen; Zhong, Guogan; Qi, Hui; Ma, Xingyuan; Xu, Jingda
 CS Cent. Lab. Physiol., Norman Bethune Univ. Med. Sci., Changchun, 130021, Peop. Rep. China
 SO Zhongguo Yaoli Xuebao (1993), 14(Zengkan), S8-S12
 CODEN: CYLPDN; ISSN: 0253-9756
 DT Journal
 LA Chinese

L5 ANSWER 93 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:7242 CAPLUS
 DN 120:7242
 TI Physicochemical and microbiological properties of ginseng-whey beverages
 AU Kee, Hae Jin; Hong, Young Ho
 CS Dep. Food Sci. Nutr., Chonnam Natl. Univ., Kwangju, 500-757, S. Korea
 SO Han'guk Yongyang Siklyong Hakhoechi (1993), 22(2), 208-14
 CODEN: HYSHDL; ISSN: 0253-3154
 DT Journal
 LA Korean

L5 ANSWER 94 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:513413 CAPLUS
 DN 119:113413
 TI Chemical constituents of the fruit of Panax ginseng C.A. Meyer
 AU Zhao, Yuqing; Yuan, Changlu; Lu, Haoran
 CS Liaoning Coll. Tradit. Chin. Med., Shenyang, 110032, Peop. Rep. China
 SO Zhongguo Zhongyao Zazhi (1993), 18(5), 296-7
 CODEN: ZZZAE3; ISSN: 1001-5302
 DT Journal
 LA Chinese

L5 ANSWER 95 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:448041 CAPLUS
 DN 119:48041
 TI Effects of decontamination treatments on chemical components of Panax ginseng-leaf tea
 AU Kwon, Joong Ho; Byun, Myung Woo; Choi, Kang Ju; Kwon, Dae Won; Cho, Han Ok
 CS Korea At. Energy Res. Inst., S. Korea
 SO Han'guk Sikip'um Kwahakhoechi (1992), 24(1), 65-9
 CODEN: HSKCAN; ISSN: 0367-6293
 DT Journal
 LA Korean

L5 ANSWER 96 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:440850 CAPLUS
 DN 119:40850
 TI **Ginsenosides** are potent and selective inhibitors of some calmodulin-dependent phosphodiesterase isozymes
 AU Sharma, Rajendra K.; Kalra, Jay
 CS Coll. Med., R. Univ. Hosp., Saskatoon, SK, S7N 0W0, Can.
 SO Biochemistry (1993), 32(19), 4975-8
 CODEN: BICHAW; ISSN: 0006-2960
 DT Journal
 LA English

L5 ANSWER 97 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1993:261096 CAPLUS
DN 118:261096
TI Combination of HPLC and californium-252 plasma desorption mass spectrometry for identifying **composition** of ginseng tinctures
AU Elkin, Yuri N.; Makhankov, Vecheslav V.; Uvarova, Nina L.; Bondarenko, Pavel V.; Zubarev, Roman A.; Knysh, Anatoly N.
CS Pac. Inst. Bioorg. Chem., Vladivostok, 690022, Russia
SO Zhongguo Yaoli Xuebao (1993), 14(2), 97-100
CODEN: CYLPDN; ISSN: 0253-9756
DT Journal
LA English

L5 ANSWER 98 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1993:116381 CAPLUS
DN 118:116381
TI NPY mediated antagonism of GS against immunosuppression induced by stress
AU Yang, Jingping; Yang, Guizhen; Yu, Chunlei
CS Dep. Immunol., Bethune Univ. Med. Sch., Changchun, Peop. Rep. China
SO Zhonghua Weishengwuxue He Mianyixue Zazhi (1992), 12(5), 282-4
CODEN: ZWMZDP; ISSN: 0254-5101
DT Journal
LA Chinese

L5 ANSWER 99 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1992:632660 CAPLUS
DN 117:232660
TI Chemical **composition** of Panax ginseng-leaf tea
AU Kwon, Joong Ho; Byun, Myung Woo; Choi, Jong Uck; Yoon, Hyung Sik
CS Food Irradiat. Dep., Korea At. Energy Res. Inst., Seoul, 130-650, S. Korea
SO Koryo Insam Hakhoechi (1992), 16(1), 1-6
CODEN: KINHEK; ISSN: 1016-2615
DT Journal
LA English

L5 ANSWER 100 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1992:604832 CAPLUS
DN 117:204832
TI The blockade action of **ginsenoside** Rb1 on calcium channels and a single channel analysis of its mechanism
AU Zhong, Guogan; Li, Yunyi; Jiang, Yan; An, Gang; Shao, Chunjie
CS Dep. Physiol., Norman Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
SO Baiqiuen Yike Daxue Xuebao (1992), 18(2), 129-31
CODEN: PEIPDB; ISSN: 0253-3707
DT Journal
LA Chinese

=> d 15 101-181

L5 ANSWER 101 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1992:504213 CAPLUS
DN 117:104213
TI Effect of **ginsenosides** from leaves on mineralocorticosteroid receptor
AU Zhang, Dongmei; Gu, Xiubin; Shi, Yuyuan; Wu, Xiuli
CS Dep. Neurochem., Norman Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
SO Baiqiuen Yike Daxue Xuebao (1991), 17(2), 134-6

CODEN: PEIPDB; ISSN: 0253-3707

DT Journal
LA Chinese

L5 ANSWER 102 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1992:466521 CAPLUS
DN 117:66521
TI Chemical compounds from Panax notoginseng
AU Gang, Fanyuan; Zheng, Guangzhi
CS Kunming Inst. Bot., Acad. Sin., Kunming, 650204, Peop. Rep. China
SO Zhongguo Yaoxue Zazhi (1992), 27(3), 138-43
CODEN: ZYZAEU; ISSN: 1001-2494
DT Journal; General Review
LA Chinese

L5 ANSWER 103 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1992:406631 CAPLUS
DN 117:6631
TI Changes of **composition** during storage of ginseng drink product
AU Joo, Hyun Kyu; Jung, Dong Kon; Kim, Nam Dae
CS Dep. Agric. Chem., Kon-Kuk Univ., Seoul, 133-701, S. Korea
SO Han'guk Nonghwa Hakhoechi (1991), 34(4), 339-43
CODEN: JKACA7; ISSN: 0368-2897
DT Journal
LA Korean

L5 ANSWER 104 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1992:167087 CAPLUS
DN 116:167087
TI The decline of atrial natriuretic peptide (ANP) gene expression in older rats and the effects of **ginsenoside** on ANP gene expression
AU Hong, Ming; Jin, Yan; Mai, Yin Qiao; Boersma, Arnold; Han, Kia Ki; Vantuyghem, Marie Christine; Lefebvre, Jean
CS Dep. Biochem., Norman Bethune Univ. Med. Sch., Chang Chun, 130 021, Peop. Rep. China
SO Comp. Biochem. Physiol., B: Comp. Biochem. (1992), 101B(1-2), 35-9
CODEN: CBPBB8; ISSN: 0305-0491
DT Journal
LA English

L5 ANSWER 105 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1992:136089 CAPLUS
DN 116:136089
TI Chemical **composition** of commercial roots of Panax ginseng
AU Malinovskaya, G. V.; Makhan'kov, V. V.; Denisenko, V. A.; Uvarova, N. I.
CS Tikhookean. Inst. Bioorg. Khim., Vladivostok, USSR
SO Khim. Prir. Soedin. (1991), (2), 294-5
CODEN: KPSUAR; ISSN: 0023-1150
DT Journal
LA Russian

L5 ANSWER 106 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1992:67168 CAPLUS
DN 116:67168
TI Plant extracts for decreasing side effects of antiviral drugs and increasing the immune function
IN Liu, Yaguang
PA USA
SO U.S., 7 pp.
CODEN: USXXAM

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 5071839	A	19911210	US 1987-115872	19871102

L5 ANSWER 107 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1992:38097 CAPLUS

DN 116:38097

TI Patterns of soluble protein, reducing sugar and **ginsenosides** in transformed calli of ginseng (Panax ginseng C.A. Meyer)

AU Yang, Deok Chun; Choi, Kwang Tae; Yang, Deok Cho

CS Korea Ginseng Tob. Res. Inst., Taejon, 305-345, S. Korea

SO Koryo Insam Hakhoechi (1991), 15(2), 124-30

CODEN: KINHEK; ISSN: 1016-2615

DT Journal

LA Korean

L5 ANSWER 108 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1991:557526 CAPLUS

DN 115:157526

TI Analysis and evaluation of ginseng honey and ginseng royal jelly preparations

AU Zhang, Xie; Yang, Renfie; Zhang, Shuyan; Jiang, Yuming

CS Dep. Chem., Jilin Univ., Changchun, 30023, Peop. Rep. China

SO Zhongguo Yaoxue Zazhi (1991), 26(2), 82-4

CODEN: ZYZAEU; ISSN: 1001-2494

DT Journal

LA Chinese

L5 ANSWER 109 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1991:464585 CAPLUS

DN 115:64585

TI Antinarcotic effect of Panax ginseng

AU Kim, Hack Seang; Oh, Ki Wan; Lee, Myung Koo; Back, Dong Yoon; Rheu, Hang Mook; Seong, Yeon Hee

CS Coll. Pharm., Chungbuk Natl. Univ., Cheongju, 360-763, S. Korea

SO Koryo Insam Hakhoechi (1990), 14(2), 178-86

CODEN: KINHEK; ISSN: 1016-2615

DT Journal

LA English

L5 ANSWER 110 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1991:441724 CAPLUS

DN 115:41724

TI Effects of **ginsenoside-Rb2** on adenine nucleotide content of rat hepatic tissue

AU Yokozawa, Takako; Fujitsuka, Naoki; Yasui, Teruhito; Oura, Hikokichi

CS Res. Inst. Wakan-Yaku, Toyama Med. Pharm. Univ., Toyama, 930-01, Japan

SO J. Pharm. Pharmacol. (1991), 43(4), 290-1

CODEN: JPPMAB; ISSN: 0022-3573

DT Journal

LA English

L5 ANSWER 111 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1991:199608 CAPLUS

DN 114:199608

TI Effects of ginseng saponins on lipid peroxidation in liver and cardiac muscle homogenates

AU Deng, H. W.; Guan, Y. Y.; Kwan, C. Y.
 CS Health Sci. Cent., McMaster Univ., Hamilton, ON, L8N 3Z5, Can.
 SO Biochem. Arch. (1990), 6(4), 359-65
 CODEN: BIAREM; ISSN: 0749-5331
 DT Journal
 LA English

L5 ANSWER 112 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:156962 CAPLUS
 DN 114:156962
 TI Effect of **ginsenosides** from stem and leaves on glucocorticoid
 receptor and cAMP in hippocampus of rats
 AU Zhang, Dongmei; Yu, Zhaoying; Lu, Yifang
 CS Dep. Pharmacol., Norman Bethune Univ. Med. Sci., Changchun, Peop. Rep.
 China
 SO Baiqiuen Yike Daxue Xuebao (1990), 16(1), 6-9
 CODEN: PEIPDB; ISSN: 0253-3707
 DT Journal
 LA Chinese

L5 ANSWER 113 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:150155 CAPLUS
 DN 114:150155
 TI Cardiovascular and immunity-enhancing **composition** containing
ginsenosides, ophiopogonins, sesquicarene, and chamigrene
 IN Liu, Ya Guang
 PA USA
 SO Can., 17 pp.
 CODEN: CAXXA4
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	CA 1266236	A1	19900227	CA 1986-508064	19860430

L5 ANSWER 114 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:56124 CAPLUS
 DN 114:56124
 TI Influence of ginseng saponin on the circadian rhythm of brain monoamine
 neurotransmitters
 AU Cai, Lijing; Hui, Huangzhao; Yu, Lixi
 CS Chronobiol. Lab., Shenyang Coll. Pharm., Shenyang, 110015, Peop. Rep.
 China
 SO Prog. Clin. Biol. Res. (1990), 341B(Chronobiol.: Its Role Clin. Med.,
 Gen., Biol., Agric., Pt. B), 135-44
 CODEN: PCBRD2; ISSN: 0361-7742
 DT Journal
 LA English

L5 ANSWER 115 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:20820 CAPLUS
 DN 114:20820
 TI Influence of Candida parapsilosis on the changes in various components of
 Korea red ginseng extract
 AU Yang, Jai Won; Nho, Kil Bong
 CS Korea Ginseng Tob. Res. Inst., Daejeon, 302-345, S. Korea
 SO Koryo Insam Hakhoechi (1989), 13(1), 60-5
 CODEN: KINHEK
 DT Journal

LA Korean

L5 ANSWER 116 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1991:17584 CAPLUS

DN 114:17584

TI **Ginsenosides** Rb1 and Rg1 in **composition** and method for treatment of Alzheimer-type senile dementia, and purification and enrichment of **ginsenoside** Rb1

IN Pang, Peter K. T.; Wang, Lawrence C. H.; Benishin, Christina G.; Liu, Hsing J.

PA Can.

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9008315	A1	19900726	WO 1990-US121	19900112
	W: AT, AU, BB, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MW, NL, NO, RO, SD, SE, SU, US				
	RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	US 4966893	A	19901030	US 1989-297012	19890113
	CA 2046328	AA	19900714	CA 1990-2046328	19900112
	AU 9050859	A1	19900813	AU 1990-50859	19900112
	EP 453515	A1	19911030	EP 1990-903065	19900112
	EP 453515	B1	19980401		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	JP 04504414	T2	19920806	JP 1990-503238	19900112
	AT 164678	E	19980415	AT 1990-903065	19900112
	US 5137878	A	19920811	US 1991-768423	19910913
PRAI	US 1989-297012		19890113		
	WO 1990-US121		19900112		

L5 ANSWER 117 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1990:597998 CAPLUS

DN 113:197998

TI Safe antileukemia drug comprising harringtonine, homoharringtonine, anethole, oleanolic acid, and **ginsenoside**

IN Liu, Ya Guang

PA USA

SO Can., 8 pp.

CODEN: CAXXA4

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 1267845	A1	19900417	CA 1986-508065	19860430
	CA 1261829	A2	19890926	CA 1988-586272	19881216
PRAI	CA 1986-508065		19860430		

L5 ANSWER 118 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1990:578354 CAPLUS

DN 113:178354

TI Saponin and **ginsenoside** content in Korean red ginseng products

AU Choi, Kang Ju; Ko, Sung Ryong; Kim, Seok Chang; Park, Jong Dae

CS Korea Ginseng and Tobacco Res. Inst., Taejon, 302-345, S. Korea

SO Koryo Insam Hakhoechi (1989), 13(2), 178-82

CODEN: KINHEK
DT Journal
LA Korean

L5 ANSWER 119 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1990:565128 CAPLUS
DN 113:165128
TI Inhibitory effects of some **ginsenosides** on rat kidney microsome sodium, potassium-ATPase activity
AU Zheng, Yuqun; Cao, Jin; Liu, Tianpei; Pan, Xinxin
CS Dep. Pharmacol., Nanjing Med. Coll., Nanjing, 210005, Peop. Rep. China
SO Zhongguo Yaolixue Yu Dulixue Zazhi (1990), 4(2), 142-5
CODEN: ZYYZEW; ISSN: 1000-3002
DT Journal
LA Chinese

L5 ANSWER 120 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1990:452066 CAPLUS
DN 113:52066
TI Effect of glycosides, betulafolienetriol and its 3-epimer, on the in vitro growth of tumor cells
AU Shentsova, E. B.; Anisimov, M. M.; Loenko, Yu. N.; Atopkina, L. N.; Samoshina, N. F.; Uvarova, N. I.
CS Tikhookean. Inst. Bioorg. Khim., Vladivostok, USSR
SO Antibiot. Khimioter. (1989), 34(11), 831-3
CODEN: ANKHEW; ISSN: 0235-2990
DT Journal
LA Russian

L5 ANSWER 121 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1990:234174 CAPLUS
DN 112:234174
TI Chemical components of fruit juice and Huaqigiu from *Panax quinquefolius*
AU Zhang, Jiasheng; Wang, Xiaoguang; Li, Qingmin; Miao, Renpei; Zheng, Zhenfu; Zhao, Yingnan; Yan, Yutang; Wang, Yuwen
CS Dep. Gen. Chem., Norman Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
SO Baiqiuen Yike Daxue Xuebao (1989), 15(5), 481-3
CODEN: PEIPDB; ISSN: 0253-3707
DT Journal
LA Chinese

L5 ANSWER 122 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1990:232487 CAPLUS
DN 112:232487
TI Progress of research of chemical constituents from *Panax quinquefolius*
AU Zheng, Youlan; Zhang, Chongxi
CS Jilin Agric. Univ., Gongzhuling, Peop. Rep. China
SO Zhongguo Yaolixue Zazhi (1989), 24(9), 524-6
CODEN: ZYZAEU
DT Journal; General Review
LA Chinese

L5 ANSWER 123 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1990:195200 CAPLUS
DN 112:195200
TI High-performance liquid chromatographic analysis of saponins of *Panax quinquefolium* cultivated in Yunnan, China
AU Yang, Chongren; Yao, Rongcheng; Ruan, Dechun; Chen, Zonglian; Yamaguchi,

Hirayuki
 CS Kunming Inst. Bot., Acad. Sin., Kunming, Peop. Rep. China
 SO Yunnan Zhiwu Yanjiu (1989), 11(3), 276-84
 CODEN: YCWCDP; ISSN: 0253-2700
 DT Journal
 LA Chinese

L5 ANSWER 124 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:172241 CAPLUS
 DN 112:172241
 TI Inhibitory effects of **ginsenoside** Rg1 and Rb1 on rat brain
 microsomal sodium, potassium-ATPase activity
 AU Cao, Jin; Zheng, Yuqun; Liu, Tianpei; Feng, Luzhong
 CS Dep. Pharmacol., Nanjing Med. Coll., Nanjing, 210005, Peop. Rep. China
 SO Zhongguo Yaoli Xuebao (1990), 11(1), 10-14
 CODEN: CYLPDN; ISSN: 0253-9756
 DT Journal
 LA English

L5 ANSWER 125 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:137829 CAPLUS
 DN 112:137829
 TI Chemical constituents of Panax ginseng exposed to .gamma. irradiation
 AU Kwon, Joong Ho; Belanger, Jacqueline M. R.; Sigouin, Michel; Lanthier,
 Johanne; Willemot, Claude; Pare, J. R. Jocelyn
 CS Cent. Rech. Dev. Aliments, Agric. Canada, Saint Hyacinthe, PQ, J2S 8E3,
 Can.
 SO J. Agric. Food Chem. (1990), 38(3), 830-4
 CODEN: JAFCAU; ISSN: 0021-8561
 DT Journal
 LA English

L5 ANSWER 126 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:125003 CAPLUS
 DN 112:125003
 TI Chemical **composition** of rhizome and root from Panax ginseng C.
 A. Mey. and Panax quinquefolius L
 AU Zheng, Youlan; Zhang, Chongxi; Li, Xianggao
 CS Jilin Agric. Univ., Changchun, Peop. Rep. China
 SO Zhongguo Yaoxue Zazhi (1989), 24(6), 332-4
 CODEN: ZYZAEU
 DT Journal
 LA Chinese

L5 ANSWER 127 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:91688 CAPLUS
 DN 112:91688
 TI Influence of ginseng saponins on the circadian rhythm of brain monoamine
 neurotransmitters
 AU Li, J. C.; Xue, L. S.; Wang, A. M.; Zhang, J. B.; Ma, K. C.; Li, Y. P.
 CS Dep. Physiol., Shenyang Coll. Pharm., Shenyang, 110015, Peop. Rep. China
 SO Asia Pac. J. Pharmacol. (1989), 4(4), 315-21
 CODEN: APJPEV; ISSN: 0217-9687
 DT Journal
 LA English

L5 ANSWER 128 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:33366 CAPLUS
 DN 112:33366
 TI Analysis of amino acid **composition** and total content of the

ginsenoside in wild and cultivated ginsengs
 AU Zhao, Zongjian
 CS Dep. Mol. Biol., Jilin Univ., Changchun, Peop. Rep. China
 SO Jilin Daxue Ziran Kexue Xuebao (1989), (3), 99-101
 CODEN: CLTTDI
 DT Journal
 LA Chinese

L5 ANSWER 129 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:483953 CAPLUS
 DN 111:83953
 TI Study on the chemical **composition** of the leaves of home-made ginseng. II. Isolation and identification of **ginsenosides**
 AU Cai, Peillie; Xu, Jingda; Gu, Yueqing; Jiang, Xikun; Cheng, Guangrong
 CS Dep. Biochem., Normal Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
 SO Baiqiuen Yike Daxue Xuebao (1987), 13(2), 110-13
 CODEN: PEIPDB; ISSN: 0253-3707
 DT Journal
 LA Chinese

L5 ANSWER 130 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:433683 CAPLUS
 DN 111:33683
 TI Pharmaceutical **composition**, Pure San-Mai-sen, for cure and prevention of cardiovascular disease and for increasing the immune function
 IN Liu, Yaguang
 PA USA
 SO Eur. Pat. Appl., 18 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	EP 200169	A2	19861105	EP 1986-105701	19860425
	EP 200169	A3	19870812		
	EP 200169	B1	19911211		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4684628	A	19870804	US 1985-730365	19850503
	AT 70184	E	19911215	AT 1986-105701	19860425
PRAI	US 1985-730365		19850503		
	EP 1986-105701		19860425		

L5 ANSWER 131 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:412504 CAPLUS
 DN 111:12504
 TI Complexes of saponins with phospholipids and pharmaceutical and cosmetic **compositions** containing them
 IN Bombardelli, Ezio; Patri, Gian Franco; Pozzi, Roberto
 PA Indena S.p.A., Italy
 SO Eur. Pat. Appl., 9 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	EP 283713	A2	19880928	EP 1988-102321	19880218

EP 283713	A3	19900307	
EP 283713	B1	19930811	
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE			
AT 92930	E	19930815	AT 1988-102321 19880218
ES 2058151	T3	19941101	ES 1988-102321 19880218
JP 63277691	A2	19881115	JP 1988-43269 19880225
PRAI IT 1987-19496		19870226	
EP 1988-102321		19880218	

L5 ANSWER 132 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1989:219183 CAPLUS
DN 110:219183
TI Chemical studies on the **composition** of Shengmai-San. III.
Quantitative analysis of **ginsenosides** in Shengmai-San by
TLC-densitometry
AU Zhu, Yongxin; Yan, Kedong; Tu, Guoshi
CS Natl. Inst. Control. Pharm. Biol. Prod., Beijing, Peop. Rep. China
SO Yaowu Fenxi Zazhi (1989), 9(1), 5-9
CODEN: YFZADL; ISSN: 0254-1793
DT Journal
LA Chinese

L5 ANSWER 133 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1989:92055 CAPLUS
DN 110:92055
TI Analysis of saponins of wild Panax ginseng
AU Yamaguchi, Hiroyuki; Matsuura, Hiromichi; Kasai, Ryoji; Tanaka, Osamu;
Satake, Motoyoshi; Koda, Hiroshi; Izumi, Hiromasa; Nuno, Mariko; Katsuki,
Shigeki; et al.
CS Cent. Res. Lab., Wakunaga Pharm. Co., Ltd., Hiroshima, 729-64, Japan
SO Chem. Pharm. Bull. (1988), 36(10), 4177-81
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L5 ANSWER 134 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1989:33590 CAPLUS
DN 110:33590
TI Main saponins of notoginseng and ginseng **ginsenosides** decrease
the contents of tissue lipofuscin and serum lipid peroxides in the old
rats
AU Fan, Pansheng; Shi, Lin
CS Dep. Pharmacol., Suzhou Med. Coll., Suzhou, 215007, Peop. Rep. China
SO Zhongguo Yaolixue Yu Dulixue Zazhi (1988), 2(4), 257-60
CODEN: ZYYZEW; ISSN: 1000-3002
DT Journal
LA Chinese

L5 ANSWER 135 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1989:21133 CAPLUS
DN 110:21133
TI Comparative analysis of the contents of ginseng saponins in wild ginseng
and cultivated ginseng
AU Wu, Guangxuan; Wei, Yongdi; Song, Changchun; Wang, Chunrong; Ma,
Xingyuan;
Xu, Jingda; Zhang, Dexi; Jiang, Xikun
CS Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
SO Yaoxue Tongbao (1988), 23(7), 397-8
CODEN: YHTPAD; ISSN: 0512-7343
DT Journal

LA Chinese

L5 ANSWER 136 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:807 CAPLUS
 DN 110:807
 TI Effects of **ginsenosides** from stems and leaves on activities of sodium, potassium-ATPase, calcium-ATPase and magnesium-ATPase in rabbit
 AU Hu, Gang; Zong, Ruiyi; Shao, Chunjie
 CS Dep. Pharmacol., Bethune Med. Univ., Changchun, 130021, Peop. Rep. China
 SO Zhongguo Yaoli Xuebao (1988), 9(6), 486-9
 CODEN: CYLPDN; ISSN: 0253-9756
 DT Journal
 LA Chinese

L5 ANSWER 137 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:466594 CAPLUS
 DN 109:66594
 TI Effects of **ginsenosides** and notoginsenosides on rat kidney microsomal sodium-potassium-ATPase activity
 AU Zheng, Yuqun; Liu, Tianpei; Feng, Luzhong
 CS Dep. Pharmacol., Nanjing Med. Coll., Nanjing, 250005, Peop. Rep. China
 SO Zhongguo Yaolixue Yu Dulixue Zazhi (1988), 2(2), 152-4
 CODEN: ZYYZEW
 DT Journal
 LA Chinese

L5 ANSWER 138 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:226933 CAPLUS
 DN 108:226933
 TI Analysis of ginseng. IV. HPLC determination of **ginsenosides** in Panax ginseng
 AU Zhou, Z. H.; Zhang, G. D.
 CS Inst. Mater. Med., Chin. Acad. Med. Sci., Beijing, Peop. Rep. China
 SO Yaoxue Xuebao (1988), 23(2), 137-41
 CODEN: YHHPAL; ISSN: 0513-4870
 DT Journal
 LA Chinese

L5 ANSWER 139 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:216194 CAPLUS
 DN 108:216194
 TI Influence of **ginsenoside** Rb1 and Rg1 on some central neurotransmitter receptors and protein biosynthesis in mouse brain
 AU Zhang, J. T.; Liu, Y.; Qu, Z. W.; Zhang, X. L.; Xiao, H. L.
 CS Inst. Mater. Med., Chin. Acad. Med. Sci., Beijing, Peop. Rep. China
 SO Yaoxue Xuebao (1988), 23(1), 12-16
 CODEN: YHHPAL; ISSN: 0513-4870
 DT Journal
 LA Chinese

L5 ANSWER 140 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:201778 CAPLUS
 DN 108:201778
 TI Chemical constituents of Panax ginseng C.A. Meyer 13. Saponins of sarcocarp in the Panax ginseng C.A. Meyer
 AU Xu, Suixu; Zhang, Guogang; Chen, Yingjie; He, Li; Fan, Zhengrong
 CS Dep. Phytochem., Shenyang Coll. Pharmacy, Shenyang, Peop. Rep. China
 SO Shenyang Yaoxueyuan Xuebao (1988), 5(1), 59
 CODEN: SYXUE3
 DT Journal

LA Chinese

L5 ANSWER 141 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:143361 CAPLUS
 DN 108:143361
 TI Effect of **ginsenosides** on the activity of sodium, potassium-ATPase in rabbit brain in vitro
 AU Hu, Gang; Zong, Ruiyi
 CS Dep. Pharmacol., Norman Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
 SO Baiqiuen Yike Daxue Xuebao (1987), 13(5), 403-7
 CODEN: PEIPDB; ISSN: 0253-3707
 DT Journal
 LA Chinese

L5 ANSWER 142 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:143350 CAPLUS
 DN 108:143350
 TI Influence of **ginsenosides** on .gamma.-aminobutyric acid level in the brain of rats
 AU Zong, Ruiyi; Chen, Shengwu
 CS Dep. Pharmacol., Norman Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
 SO Baiqiuen Yike Daxue Xuebao (1987), 13(3), 215-17
 CODEN: PEIPDB; ISSN: 0253-3707
 DT Journal
 LA Chinese

L5 ANSWER 143 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:143250 CAPLUS
 DN 108:143250
 TI Biosynthesis of low-density lipoprotein receptors. Effect of **ginsenosides** on the inhibition of low-density lipoprotein receptor biosynthesis
 AU Lee, Yong Woo; Koo, Ja Hyun; Joo, Chung No
 CS Coll. Sci., Yonsei Univ., Seoul, S. Korea
 SO Han'guk Saenghwa Hakhoechi (1987), 20(4), 362-7
 CODEN: KBCJAK; ISSN: 0368-4881
 DT Journal
 LA Korean

L5 ANSWER 144 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:143247 CAPLUS
 DN 108:143247
 TI Effect of serial administration of **ginsenoside-Rb2** in diabetic rats: in terms of carbohydrate and lipid metabolites
 AU Yokozawa, Takako; Oura, Hikokichi; Kawashima, Yuji
 CS Res. Inst. Wakan-Yaku, Toyama Med. Pharm. Univ., Toyama, 930-01, Japan
 SO Chem. Pharm. Bull. (1987), 35(12), 4872-7
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English

L5 ANSWER 145 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1988:118963 CAPLUS
 DN 108:118963
 TI Therapeutic **composition** from plant extracts
 IN Liu, Yaguang
 PA USA
 SO U.S., 7 pp.

CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4708949	A	19871124	US 1985-779437	19850924
	US 4795742	A	19890103	US 1986-917842	19861014
PRAI	US 1985-779437		19850924		

L5 ANSWER 146 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1988:31715 CAPLUS
DN 108:31715
TI Effect of **ginsenoside**-Rb2 on nitrogen compounds in streptozotocin-diabetic rats
AU Yokozawa, Takako; Kobayashi, Taeko; Oura, Hikokichi; Kawashima, Yuji
CS Res. Inst. Wakan-Yaku, Toyama Med. Pharm. Univ., Toyama, 930-01, Japan
SO Chem. Pharm. Bull. (1987), 35(10), 4208-14
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L5 ANSWER 147 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1987:616437 CAPLUS
DN 107:216437
TI Dietary supplement containing pollen, propolis and royal jelly. Quantitative determination of active substances
AU Balestrieri, Fabrizio; Marini, Domenico
CS Ist. Merceol., Univ. Perugia, Perugia, Italy
SO Riv. Soc. Ital. Sci. Aliment. (1987), 16(2), 143-8
CODEN: RSISAZ; ISSN: 0391-4887
DT Journal
LA Italian

L5 ANSWER 148 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1987:605003 CAPLUS
DN 107:205003
TI Chemical studies on crude drug processing. V. On the constituents of ginseng radix rubra (2): comparison of the constituents of white ginseng and red ginseng prepared from the same Panax ginseng root
AU Kitagawa, Isao; Taniyama, Toshio; Shibuya, Hirotaka; Noda, Toru; Yoshikawa, Masayuki
CS Fac. Pharm. Sci., Osaka Univ., Suita, 565, Japan
SO Yakugaku Zasshi (1987), 107(7), 495-505
CODEN: YKKZAJ; ISSN: 0031-6903
DT Journal
LA Japanese

L5 ANSWER 149 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1987:471070 CAPLUS
DN 107:71070
TI **Ginsenoside** Rg1 and corticosteroid receptors in rat brain
AU De Kloet, E. R.; Reul, J. M. H. M.; Van den Bosch, F. R.; Tonnaer, J. A. D. M.; Saito, H.
CS Med. Fac., Univ. Utrecht, Utrecht, NL-3521 GD, Neth.
SO Endocrinol. Jpn. (1987), 34(2), 213-20
CODEN: ECJPAE; ISSN: 0013-7219
DT Journal
LA English

L5 ANSWER 150 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1987:402738 CAPLUS
 DN 107:2738
 TI Alterations by saponins of passive calcium permeability and sodium-calcium exchange activity of canine cardiac sarcolemmal vesicles
 AU Yamasaki, Yasundo; Ito, Katsuaki; Enomoto, Yoshikazu; Sutko, John L.
 CS Health Sci. Cent., Univ. Texas, Dallas, TX, 75235, USA
 SO Biochim. Biophys. Acta (1987), 897(3), 481-7
 CODEN: BBACAQ; ISSN: 0006-3002
 DT Journal
 LA English

L5 ANSWER 151 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1987:125760 CAPLUS
 DN 106:125760
 TI Age and seasonal dynamics of panaxosides contents in leaves of cultivated Panax ginseng C. A. Mey
 AU Legosteva, A. B.; Grushvitskii, I. V.; Minina, S. A.
 CS Leningr. Khim.-Farm. Inst., Leningrad, USSR
 SO Rastit. Resur. (1986), 22(4), 523-6
 CODEN: RRESA8; ISSN: 0033-9946
 DT Journal
 LA Russian

L5 ANSWER 152 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1987:90209 CAPLUS
 DN 106:90209
 TI Pharmaceutical **composition** for treating nonlymphatic leukemia and its components
 IN Liu, Yaguang
 PA USA
 SO Eur. Pat. Appl., 13 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 203386	A2	19861203	EP 1986-105750	19860425
	EP 203386	A3	19871202		
	EP 203386	B1	19911113		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4675318	A	19870623	US 1985-737949	19850528
	AT 69379	E	19911115	AT 1986-105750	19860425
	US 4783454	A	19881108	US 1987-50852	19870514
	US 4808629	A	19890228	US 1987-62073	19870514
PRAI	US 1985-737949		19850528		
	EP 1986-105750		19860425		

L5 ANSWER 153 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1987:90200 CAPLUS
 DN 106:90200
 TI Pharmaceutical **composition** decreasing the side effects of anticancer chemotherapy and increasing the immune function
 IN Liu, Yaguang
 PA USA
 SO Eur. Pat. Appl., 22 pp.
 CODEN: EPXXDW
 DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	EP 201784	A2	19861120	EP 1986-105751	19860425
	EP 201784	A3	19871202		
	EP 201784	B1	19901205		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4687761	A	19870818	US 1985-732146	19850509
	AT 58837	E	19901215	AT 1986-105751	19860425
	US 4945115	A	19900731	US 1987-63433	19870618
PRAI	US 1985-732146		19850509		
	EP 1986-105751		19860425		

L5 ANSWER 154 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1987:64303 CAPLUS

DN 106:64303

TI Saponins of plants of Panax species collected in Central Nepal and their chemotaxonomic significance. II

AU Morita, Toshinobu; Kong, Yun Cheung; But, Paul Pui Hay; Ng, Kam Hung; Yip,

Tai Tung; Kasai, Ryoji; Tanaka, Osamu

CS Sch. Med., Hiroshima Univ., Hiroshima, 734, Japan

SO Chem. Pharm. Bull. (1986), 34(10), 4368-72

CODEN: CPBTAL; ISSN: 0009-2363

DT Journal

LA English

L5 ANSWER 155 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1986:618698 CAPLUS

DN 105:218698

TI Adrenocorticotropic hormone-like effects of ginseng saponin

AU Zong, Ruiyi; Zheng, Suqire; Liu, Jie

CS Dep. Pharmacol., Bethune Med. Univ., Changchun, Peop. Rep. China

SO Baiqiuen Yike Daxue Xuebao (1985), 11(3), 254-8

CODEN: PEIPDB

DT Journal

LA Chinese

L5 ANSWER 156 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1986:587644 CAPLUS

DN 105:187644

TI Studies on the chemical **composition** of ginseng. 10. Studies on the comparative quantitative analysis of ginseng saponins

AU Xu, Suixu; Wang, Naili; Li, Bing; Yao, Naixian

CS Dep. Phytochem., Shenyang Coll. Pharm., Shenyang, Peop. Rep. China

SO Shenyang Yaoxueyuan Xuebao (1986), 3(3), 173-7

CODEN: SYXUE3

DT Journal

LA Chinese

L5 ANSWER 157 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1986:587643 CAPLUS

DN 105:187643

TI Chemical **composition** of the home-grown ginseng leaves. I. Isolation and identification of **ginsenosides**

AU Cai, Peilie; Xu, Jingda; Gu, Yueqing; Jiang, Xikun; Cheng, Guangrong

CS Dep. Chem., Bethune Med. Univ., Changchun, Peop. Rep. China

SO Baiqiuen Yike Daxue Xuebao (1986), 12(1), 16-20

CODEN: PEIPDB

DT Journal
LA Chinese

L5 ANSWER 158 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1986:485198 CAPLUS
DN 105:85198
TI Medications containing **ginsenosides** for the enhancement of
adrenocorticotropic hormones
IN Yuchi, Shigeru
PA Osaka Yakuhin Kenkyusho K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 61030599	A2	19860212	JP 1984-153746	19840723

L5 ANSWER 159 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1986:484969 CAPLUS
DN 105:84969
TI Changes of chemical constituents before and after processing of Panax
ginseng
AU Li, Xianggao
CS Dep. Spec. Prod., Jilin Agric. Univ., Changchun, Peop. Rep. China
SO Zhongyao Tongbao (1986), 11(4), 194-9
CODEN: CYTPDT; ISSN: 0254-0029
DT Journal; General Review
LA Chinese

L5 ANSWER 160 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1986:457947 CAPLUS
DN 105:57947
TI Chemical constituents of Chinese red ginseng (II)
AU Xu, Suixu; Wang, Naili; Li, Yinghui
CS Div. Phytochem., Shenyang Coll. Pharm., Shenyang, Peop. Rep. China
SO Yaoxue Xuebao (1986), 21(5), 356-60
CODEN: YHHPAL; ISSN: 0513-4870
DT Journal
LA Chinese

L5 ANSWER 161 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1986:161797 CAPLUS
DN 104:161797
TI Effects of saponins from ginseng and Bupleurum and extracts from
Xiao-Chai-Hu-Tang and Gui-Zhi-Fu-Ling-Wan on blood lipoproteins,
apoproteins and prostanoids and on hepatic lipids in experimental
hyperlipidemia
AU Yamamoto, Masahiro; Uemura, Taizo; Nakama, Satoshi; Uemiya, Masanao;
Tanaka, Toshio; Minamoto, Seijiro
CS 3rd Dep. Intern. Med., Nissei Hosp., Osaka, 550, Japan
SO Wakan Iyaku Gakkaishi (1985), 2(2), 377-85
CODEN: WIGAES
DT Journal
LA Japanese

L5 ANSWER 162 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1986:145566 CAPLUS
DN 104:145566

TI Saponin constituents of white ginseng cultivated in Yunnan
 AU Yang, Chongren; Cui, Zhanhuo; Xu, Mingzhu; Zhou, Jun
 CS Kunming Inst. Bot., Acad. Sin., Kunming, Peop. Rep. China
 SO Yaoxue Tongbao (1985), 20(7), 409-10
 CODEN: YHTPAD; ISSN: 0512-7343
 DT Journal
 LA Chinese

L5 ANSWER 163 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1985:611201 CAPLUS
 DN 103:211201
 TI Saponin **composition** of rhizomes of *Panax japonicus* collected in
 south Kyushu, Japan, and its significance in oriental traditional
 medicine
 AU Morita, Toshinobu; Tanaka, Osamu; Kohda, Hiroshi
 CS Sch. Med., Hiroshima Univ., Hiroshima, 734, Japan
 SO Chem. Pharm. Bull. (1985), 33(9), 3852-8
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English

L5 ANSWER 164 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1985:137622 CAPLUS
 DN 102:137622
 TI Saponins of ginseng and related plants
 AU Tanaka, O.; Kasai, R.
 CS Sch. Med., Hiroshima Univ., Kasumi, Japan
 SO Prog. Chem. Org. Nat. Prod. (1984), 46, 1-76
 CODEN: POPRDK; ISSN: 0071-7886
 DT Journal; General Review
 LA English

L5 ANSWER 165 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1985:72699 CAPLUS
 DN 102:72699
 TI Stimulation of the lipogenic pathway in **ginsenoside**-Rb2 treated
 rats
 AU Yokozawa, Takako; Kobayashi, Taeko; Kawai, Akiko; Oura, Hikokichi;
 Kawashima, Yuji
 CS Res. Inst. Wakan-Yaku, Toyama Med. Pharm. Univ., Toyama, 930, Japan
 SO Chem. Pharm. Bull. (1984), 32(11), 4490-6
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English

L5 ANSWER 166 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1984:607603 CAPLUS
 DN 101:207603
 TI Chemical constituents of Japanese ginseng (*Panax japonicus*). (II)
 AU Cai, Ping; Xia, Zhuoyin
 CS Dep. Pharm., Sichuan Med. Coll., Chengdu, Peop. Rep. China
 SO Zhongcaoyao (1984), 15(6), 241-6
 CODEN: CTYAD8; ISSN: 0253-2670
 DT Journal
 LA Chinese

L5 ANSWER 167 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:591658 CAPLUS
 DN 99:191658
 TI Saponins of red ginseng

AU Kasai, Ryoji; Besso, Hiromichi; Tanaka, Osamu; Saruwatari, Yuhichiro;
 Fuwa, Tohru
 CS Sch. Med., Hiroshima Univ., Hiroshima, 734, Japan
 SO Chem. Pharm. Bull. (1983), 31(6), 2120-5
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English

L5 ANSWER 168 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:569506 CAPLUS
 DN 99:169506
 TI Comparison of active constituents and pharmacological effects of ginseng
 root and ginseng rhizome
 AU Luo, Shunde; Liu, Anying; Liu, Yueying
 CS First Affil. Hosp., Hubei Med. Coll., Wuhan, Peop. Rep. China
 SO Yaoxue Tongbao (1983), 18(8), 468-70
 CODEN: YHTPAD; ISSN: 0512-7343
 DT Journal
 LA Chinese

L5 ANSWER 169 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:528194 CAPLUS
 DN 99:128194
 TI Chemical studies on crude drugs. I. On the constituents of ginseng
 radix
 rubra. 1
 AU Kitagawa, Isao; Yoshikawa, Masayuki; Yoshihara, Minoru; Hayashi, Teruaki;
 Taniyama, Toshio
 CS Fac. Pharm. Sci., Osaka Univ., Suita, 565, Japan
 SO Yakugaku Zasshi (1983), 103(6), 612-22
 CODEN: YKKZAJ; ISSN: 0031-6903
 DT Journal
 LA Japanese

L5 ANSWER 170 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:132415 CAPLUS
 DN 98:132415
 TI A comparative study of high-performance liquid chromatographic method for
 analysis of ginseng saponin
 AU Choi, Jin Ho; Park, Kil Dong; Han, Kang Wan; Oh, Sung Ki
 CS Korea Ginseng Tobacco Res. Inst., Seoul, 110, S. Korea
 SO Han'guk Yongyang Siklyong Hakhoechi (1982), 11(3), 81-6
 CODEN: HYSHDL; ISSN: 0253-3154
 DT Journal
 LA English

L5 ANSWER 171 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1983:88084 CAPLUS
 DN 98:88084
 TI Effect of **ginsenosides** extracted from the stems and leaves of
 Panax ginseng in promoting animal growth
 AU Wang, Benxiang; Cui, Jingchao; Liu, Aijing
 CS Dep. Pharmacol., Inst. Tradit. Chin. Med. Mater. Med. Prov. Jilin,
 Changchun, Peop. Rep. China
 SO Yaoxue Xuebao (1982), 17(12), 899-904
 CODEN: YHHPAL; ISSN: 0513-4870
 DT Journal
 LA Chinese

L5 ANSWER 172 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1983:78132 CAPLUS
 DN 98:78132
 TI Antithrombotic pharmaceuticals containing **ginsenoside** Ro
 PA Nikan Korai Jinsen K. K., S. Korea; Kubo, Michinori
 SO Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 57163315	A2	19821007	JP 1981-49668	19810401
	JP 62013927	B4	19870330		

L5 ANSWER 173 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:411820 CAPLUS
 DN 97:11820
 TI Antitumor agent
 IN Arichi, Shigeru; Hayashi, Teruaki; Kubo, Michinori
 PA Japan
 SO Can., 41 pp.
 CODEN: CAXXA4
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	CA 1116521	A1	19820119	CA 1978-306536	19780629
	AU 523860	B2	19820819	AU 1978-37500	19780627
	AU 7837500	A1	19800103		
	CH 644519	A	19840815	CH 1978-7130	19780629
PRAI	CA 1981-306536		19810106		
	CA 1978-306536		19780629		

L5 ANSWER 174 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1981:486235 CAPLUS
 DN 95:86235
 TI Quality changes in red ginseng extract during high temperature storage
 AU Choi, Jin-Ho; Kim, Woo-Jung; Yang, Jae-Won; Sung, Hyun-Soon; Hong, Soon-Keun
 CS Korea Ginseng and Tobacco Res. Inst., Seoul, S. Korea
 SO Hanguk Nonghwa Hakhoe Chi (1981), 24(1), 50-8
 CODEN: JKACA7; ISSN: 0368-2897
 DT Journal
 LA Korean

L5 ANSWER 175 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1981:44024 CAPLUS
 DN 94:44024
 TI Chemical studies of San-Chi Panax notoginseng (Burk.) F. H. Chen. I. Studies on the constituents of San-Chi root hairs
 AU Wei, Jun-Xian; Wang, Ju-Fen; Chang, Liang-Yu; Du, Yuen-Chong
 CS Yunnan Inst. Materia Medica, Kunming, Peop. R. China
 SO Yao Hsueh Hsueh Pao (1980), (6), 359-64
 CODEN: YHHPAL; ISSN: 0513-4870
 DT Journal
 LA Chinese

L5 ANSWER 176 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AN 1981:7771 CAPLUS

DN 94:7771
TI Antitumor **compositions** comprising saponins
IN Hayashi, Teruaki; Kubo, Michinoir
PA Arichi, Shigeru, Japan
SO Brit. UK Pat. Appl., 10 pp.
CODEN: BAXXDU
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	GB 2035082	A	19800618	GB 1979-17643	19790521
	IL 55051	A1	19830331	IL 1978-55051	19780630
PRAI	GB 1978-27984		19780627		

L5 ANSWER 177 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1979:587319 CAPLUS
DN 91:187319
TI Effect of ginseng saponins on nuclear ribonucleic acid (RNA) metabolism.
II. RNA polymerase activities in rats treated with **ginsenoside**
AU Iijima, Michiko; Higashi, Tokuhiko
CS Sch. Pharm. Sci., Showa Univ., Tokyo, Japan
SO Chem. Pharm. Bull. (1979), 27(9), 2130-6
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L5 ANSWER 178 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1979:183161 CAPLUS
DN 90:183161
TI Further study on dammarane-type saponins of roots, leaves, flower-buds,
and fruits of Panax ginseng C.A. Meyer
AU Yahara, Shoji; Kaji, Kiyoko; Tanaka, Osamu
CS Sch. Med., Hiroshima Univ., Hiroshima, Japan
SO Chem. Pharm. Bull. (1979), 27(1), 88-92
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L5 ANSWER 179 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1978:117790 CAPLUS
DN 88:117790
TI Studies on Panax ginseng C. A. Meyer. Part 1
AU Kaku, Temmin; Kawashima, Yuji
CS Cent. Res. Lab., Yamanouchi Pharm. Co., Ltd., Tokyo, Japan
SO Yamanouchi Seiyaku Kenkyu Hokoku (1977), Volume Date 1974, 3, 22-9
CODEN: YSKHDO
DT Journal
LA German

L5 ANSWER 180 OF 181 CAPLUS COPYRIGHT 2002 ACS
AN 1977:458551 CAPLUS
DN 87:58551
TI Chemistry, pharmacology and thin-layer chromatography of Ginseng and
Eleutherococcus drugs
AU Wagner, H.; Wurmboeck, A.
CS Inst. Pharm. Arzneimittell., Univ. Muenchen, Munich, Ger.
SO Dtsch. Apoth.-Ztg. (1977), 117(20), 743-8
CODEN: DAZE2
DT Journal

LA German

L5 ANSWER 181 OF 181 CAPLUS COPYRIGHT 2002 ACS

AN 1977:145809 CAPLUS

DN 86:145809

TI Ginseng (Panax ginseng C. A. Meyer). Recent data from the chemical and pharmacological studies. Prospects for the concrete use of its extracts in the cosmetic and dermopharmaceutic field. Part 1

AU Proserpio, G.

CS Univ. Torino, Turin, Italy

SO Riv. Ital. Essenze, Profumi, Piante Off., Aromi, Saponi, Cosmet., Aerosol (1976), 58(11), 570-8

CODEN: RIPOAM

DT Journal; General Review

LA Italian

=> d 15 abs ibib 91,149,143,142,141,139,124

L5 ANSWER 91 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB The in vitro effect of **ginsenoside** Rg1 from Panax ginseng on the low- and high-KM cAMP phosphodiesterase (cAMP PDE) activity in the frontal

cortex, striatum, hypothalamus and hippocampus of young (4-5-mo old) and aged (22-mo old) rats has been studied. Administered in increasing concns. (from 5 .times. 10-5 M up to 5 .times. 100-4 M), **ginsenoside** Rg1 exerted a pronounced inhibitory effect on the low- and high-KM enzyme activity in all brain structures studied in rats of both age groups. **Ginsenoside** Rg1 exhibited inhibitory potency similar to that of theophylline. The present results provide evidence

for

the CNS effects of **ginsenoside** Rg1 through inhibition of the intracellular level of cAMP.

ACCESSION NUMBER: 1994:45829 CAPLUS

DOCUMENT NUMBER: 120:45829

TITLE: **Ginsenoside** Rg1 inhibits the brain cAMP phosphodiesterase activity in young and aged rats
AUTHOR(S): Stancheva, Stefanka L.; Alova, Liana G.
CORPORATE SOURCE: Dep. Exp. Pharmacol., Inst. Physiol., Sofia, 1113, Bulg.

SOURCE: Gen. Pharmacol. (1993), 24(6), 1459-62

CODEN: GEPHDP; ISSN: 0306-3623

DOCUMENT TYPE: Journal

LANGUAGE: English

L5 ANSWER 149 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB Old (28 mo) male Wistar rats were treated chronically for 2 wk with **ginsenoside** Rg1 or with vehicle delivered via s.c. implanted Alzet minipumps (rate of **ginsenoside** release 2.4 .mu.g/0.5 .mu.L/h). The nos. of type 1 corticosterone-preferring receptor sites (CR) and type 2 glucocorticoid receptors (GR) were measured in the cytosol of hippocampus tissue of rat brain with an in vitro binding assay. In old rats the max. binding capacity (Bmax) values of type 1 CR and type 2 GR were reduced by 51.5% and 28.3%, resp. Following the 2-wk treatment with Rg1, the Bmax of type 1 CR increased by 60% and a receptor concn. was reached which was 21% lower than that obsd. in the young control animals. Minor differences in affinity of steroid binding to both receptor systems were obsd. in the groups of rats. The possible binding of **ginsenosides** to brain corticosteroid receptors in vitro was investigated as well. The inclusion of a 500-fold molar excess of Rg1 in

hippocampus cytosol did not displace [3H]corticosterone from its sol. receptor sites. The affinity of Rg1 with these sites in vitro is therefore negligible. In conclusion, the binding capacities of type 1 CR and type 2 GR are reduced in the hippocampal brain region of aged rats. On chronic infusion of **ginsenoside** Rg1, only type 1 CR capacity is restored towards the level obsd. in young control animals. Evidently in old rats the **ginsenoside** enhances the corticosterone signal via type 1 CR on the function of the hippocampus, which is a limbic brain structure involved in cognition and mood.

ACCESSION NUMBER: 1987:471070 CAPLUS
DOCUMENT NUMBER: 107:71070
TITLE: **Ginsenoside** Rg1 and corticosteroid receptors
in rat brain
AUTHOR(S): De Kloet, E. R.; Reul, J. M. H. M.; Van den Bosch, F. R.; Tonnaer, J. A. D. M.; Saito, H.
CORPORATE SOURCE: Med. Fac., Univ. Utrecht, Utrecht, NL-3521 GD, Neth.
SOURCE: Endocrinol. Jpn. (1987), 34(2), 213-20
CODEN: ECJPAE; ISSN: 0013-7219
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 143 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB Feeding **ginsenosides** Rb1, Rb2, Re, or Rg1, singly or together, had a hypocholesterolemic action in rats fed a high-cholesterol diet.

The

ginsenosides also increased the population of low-d.-lipoprotein receptors in the liver, kidneys, adrenal cortex, and testis; a possible relation between this increase and the hypocholesterolemic action is suggested.

ACCESSION NUMBER: 1988:143250 CAPLUS
DOCUMENT NUMBER: 108:143250
TITLE: Biosynthesis of low-density lipoprotein receptors. Effect of **ginsenosides** on the inhibition of low-density lipoprotein receptor biosynthesis
AUTHOR(S): Lee, Yong Woo; Koo, Ja Hyun; Joo, Chung No
CORPORATE SOURCE: Coll. Sci., Yonsei Univ., Seoul, S. Korea
SOURCE: Han'guk Saenghwa Hakhoechi (1987), 20(4), 362-7
CODEN: KBCJAK; ISSN: 0368-4881
DOCUMENT TYPE: Journal
LANGUAGE: Korean

L5 ANSWER 142 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB Neither the total **ginsenoside** fraction of ginseng nor purified panaxadiol or panaxatriol affected brain GABA levels in normal rats. However, when the rats had received isoniazid 20 min previously, the total

ginsenosides and panaxadiol, but not panaxatriol, increased brain GABA.

ACCESSION NUMBER: 1988:143350 CAPLUS
DOCUMENT NUMBER: 108:143350
TITLE: Influence of **ginsenosides** on .gamma.-aminobutyric acid level in the brain of rats
AUTHOR(S): Zong, Ruiyi; Chen, Shengwu
CORPORATE SOURCE: Dep. Pharmacol., Norman Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
SOURCE: Baiqiuen Yike Daxue Xuebao (1987), 13(3), 215-17
CODEN: PEIPDB; ISSN: 0253-3707
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L5 ANSWER 141 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB The **ginsenoside** fraction from ginseng stems and leaves noncompetitively inhibited rabbit brain Na⁺, K⁺-dependent ATPase in vitro.

This effect was similar to that of chlorpromazine.

ACCESSION NUMBER: 1988:143361 CAPLUS
DOCUMENT NUMBER: 108:143361
TITLE: Effect of **ginsenosides** on the activity of sodium, potassium-ATPase in rabbit brain in vitro
AUTHOR(S): Hu, Gang; Zong, Ruiyi
CORPORATE SOURCE: Dep. Pharmacol., Norman Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
SOURCE: Baiqiuen Yike Daxue Xuebao (1987), 13(5), 403-7
CODEN: PEIPDB; ISSN: 0253-3707
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L5 ANSWER 139 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB **Ginsenoside** Rb1 and Rg1, given i.p. to mice, increased Bmax values of radioligand binding to the muscarinic receptors and protein synthesis in the brain. However, no specific binding of Rb1 and Rg1 to .alpha.1, .alpha.2, and .beta.-adrenergic receptors, acetylcholine, GABA, serotonin, and dopamine receptors of the brain was obsd. The pharmacol. of **ginsenoside** Rb1 and Rg1 on the central nervous system is discussed.

ACCESSION NUMBER: 1988:216194 CAPLUS
DOCUMENT NUMBER: 108:216194
TITLE: Influence of **ginsenoside** Rb1 and Rg1 on some central neurotransmitter receptors and protein biosynthesis in mouse brain
AUTHOR(S): Zhang, J. T.; Liu, Y.; Qu, Z. W.; Zhang, X. L.; Xiao, H. L.
CORPORATE SOURCE: Inst. Mater. Med., Chin. Acad. Med. Sci., Beijing, Peop. Rep. China
SOURCE: Yaoxue Xuebao (1988), 23(1), 12-16
CODEN: YHHPAL; ISSN: 0513-4870
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L5 ANSWER 124 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB Rat brain microsomal Na⁺, K⁺-ATPase activity was inhibited by **ginsenoside** Rb1. The IC50 of Rb1 for Na⁺, K⁺-ATPase was 6.3 .mu.mol/L. The inhibition was enhanced by increasing the concn. of Rb1 or

decreasing that of Na⁺ and K⁺. Kinetic anal. revealed that **ginsenoside** was an uncompetitive inhibitor with respect to ATP.

The inhibitory effect of Rg1 on rat brain microsomal Na⁺, K⁺-ATPase was much weaker than that of Rb1.

ACCESSION NUMBER: 1990:172241 CAPLUS
DOCUMENT NUMBER: 112:172241
TITLE: Inhibitory effects of **ginsenoside** Rg1 and Rb1 on rat brain microsomal sodium, potassium-ATPase activity
AUTHOR(S): Cao, Jin; Zheng, Yuqun; Liu, Tianpei; Feng, Luzhong
CORPORATE SOURCE: Dep. Pharmacol., Nanjing Med. Coll., Nanjing, 210005, Peop. Rep. China
SOURCE: Zhongguo Yaoli Xuebao (1990), 11(1), 10-14
CODEN: CYLPDN; ISSN: 0253-9756
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d 15 abs ibib 28,96,64,51,176,172,165,158,153,152,144,131,119,116,110,100

L5 ANSWER 28 OF 181 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1989:414247 BIOSIS

DOCUMENT NUMBER: BR37:69710

TITLE: CORRELATION BETWEEN THE CHEMICAL COMPOSITION AND
MEMBRANOTROPIC ACTIVITY OF BETULAFOLIEN TRIOL GLYCOSIDES
AND

ITS 3 EPIMER.

AUTHOR(S): ANISIMOV M M; LIKHATSKAYA G N; VOLKOVA O V; ATOPKINA L N;
SAMOSHINA N F; UVAROVA N I

CORPORATE SOURCE: PAC. OCEAN INST. BIOORG. CHEM., FAR EAST DEP., ACAD. SCI.
USSR, VLADIVOSTOK, USSR.

SOURCE: Khim. Prir. Soedin., (1988) 0 (6), 883-885.

CODEN: KPSUAR. ISSN: 0023-1150.

DOCUMENT TYPE: Short Communication

FILE SEGMENT: BR; OLD

LANGUAGE: Russian

L5 ANSWER 96 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB The effects of various **ginsenosides** on calmodulin-dependent
phosphodiesterase isoenzymes have been investigated. **Ginsenosides**
were found to be potent inhibitors of bovine heart calmodulin-dependent
phosphodiesterase and the 60-kDa isoenzyme of bovine brain
calmodulin-dependent phosphodiesterase but not of the 63-kDa isoenzyme of
bovine brain calmodulin-dependent phosphodiesterase. Since the
inhibition

of phosphodiesterase by **ginsenosides** was overcome by increasing
the concn. of calmodulin, this suggests that **ginsenosides** act
specifically and reversibly against the action of the calmodulin. These
compds. therefore should be valuable tools to investigate the diverse
physiol. roles of distinct phosphodiesterase isoenzymes.

ACCESSION NUMBER: 1993:440850 CAPLUS

DOCUMENT NUMBER: 119:40850

TITLE: **Ginsenosides** are potent and selective
inhibitors of some calmodulin-dependent
phosphodiesterase isozymes

AUTHOR(S): Sharma, Rajendra K.; Kalra, Jay

CORPORATE SOURCE: Coll. Med., R. Univ. Hosp., Saskatoon, SK, S7N 0W0,
Can.

SOURCE: Biochemistry (1993), 32(19), 4975-8

CODEN: BICHAW; ISSN: 0006-2960

DOCUMENT TYPE: Journal

LANGUAGE: English

L5 ANSWER 64 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB Neurotropic properties of triterpene glycosides, which effectively
against

the toxic properties of EtOH, were examd. Cerebellar wts. of newborn
Wistar rats, who were administered EtOH 6 days after birth (25% EtOH, 3
g/kg twice with 3-h intervals), were examd. 20 days after birth. The
glycoside prepns. were given simultaneously with EtOH or the following

day

after EtOH over 5 days. Glycoside fraction showed a substantial
protective effect. Individual glycosides exhibited a significant
restorative effect but not to a similar degree. Both structure of the
glycoside and the dose played a role in the protective process. In a
related study, the effect of the glycosides was also studied on the

absorption of EtOH. The highest activity on absorption of EtOH was shown by oleanolic acid 3-O-glycoside.

ACCESSION NUMBER: 1998:174037 CAPLUS
DOCUMENT NUMBER: 128:318266
TITLE: Characteristics of the neuroprotective activity of triterpene glycosides and the Zhensolar **composition** developed from them
AUTHOR(S): Popov, A. M.; Malinovskaya, G. V.; Uvarova, N. I.; Antopkina, L. N.; Loenko, Yu. N.; Artyukov, A. A.; Elyakov, G. B.
CORPORATE SOURCE: Tikhookean. Inst. Bioorg. Khim., Dal'nevost. Otd. Ross. Akad. Nauk, Vladivostok, Russia
SOURCE: Dokl. Akad. Nauk (1998), 358(3), 413-415
CODEN: DAKNEQ; ISSN: 0869-5652
PUBLISHER: MAIK Nauka
DOCUMENT TYPE: Journal
LANGUAGE: Russian

L5 ANSWER 51 OF 181 CAPLUS COPYRIGHT 2002 ACS
AB **Compns.** contg. panaxadiol saponins [**ginsenosides** Ra1-3, Rb1-3, Rc, and Rd] for preveting or treating mutation-related, radical-induced or phys. damage-induced diseases are claimed. The panaxadiol saponins are prepd. by dissolving total saponins in lower alc., filtering, pptg. with alkali/alc. - water soln., filtering, dissolving pptg. in water, adsorbing on strongly acidic ion exchanger, eluting and concg. The **ginsenosides** were used in treating heart infarction in exptl. dogs.

ACCESSION NUMBER: 2000:158059 CAPLUS
DOCUMENT NUMBER: 132:171066
TITLE: **Compositions** containing panaxadiol saponins for preveting or treating mutation-related, radical-induced or physical damage-induced diseases
INVENTOR(S): Ma, Xingyuan; Chen, Yanping; Meng, Qin; Wang, Luli; Xu, Jingda; Mo, Naihan; Sun, Guangxue
PATENT ASSIGNEE(S): Huangfeng Ginseng Pharmaceutical Co., Ltd., Jilin, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1187352	A	19980715	CN 1998-100069	19980122

L5 ANSWER 176 OF 181 CAPLUS COPYRIGHT 2002 ACS
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The antitumor **compns.** contained the saponins I [R = .beta.-D-glucopyranosyl(1.fwdarw.2) - .beta.-D-glucopyranosyl; R1 = .beta.-D-glucopyranosyl(1.fwdarw.6) - .beta.-D-glucopyranosyl, .alpha.-L-arabinopyranosyl(1.fwdarw.6) - .beta.-D-glucopyranosyl,

.beta.-D-xylopyranosyl(1.fwdarw.6)-.beta.-D-glucopyranosyl, .alpha.-L-arabinofuranosyl(1.fwdarw.6)-.beta.-D-glucopyranosyl, or .beta.-D-glucopyranosyl], II [R = .alpha.-L-rhamnopyranosyl(1.fwdarw.2)-.beta.-D-glucopyranosyl, .beta.-D-glucopyranosyl(1.fwdarw.2)-.beta.-D-glucopyranosyl, .beta.-D-glucopyranosyl, or .alpha.-L-rhamnopyranosyl(1.fwdarw.2)-.beta.-D-glucopyranosyl; R1 = H or .beta.-glucopyranosyl], or III [R = .beta.-D-glucopyranosyl; R1 = .beta.-D-glucopyranosyl(1.fwdarw.2)-.beta.-D-glucopyranosyl], isolated from the subterranean parts of Panax species. E.g., the saponin substance

extd. (MeOH, 3 h) from P. ginseng, consisting of **ginsenoside** Rg1 [22427-39-0] and **ginsenoside** Rb1 [41753-43-9] gave extremely good results when given at a dose of 200 mg/day for 2 mo to a 62-yr-old stomach cancer patient.

ACCESSION NUMBER: 1981:7771 CAPLUS
DOCUMENT NUMBER: 94:7771
TITLE: Antitumor **compositions** comprising saponins
INVENTOR(S): Hayashi, Teruaki; Kubo, Michinoir
PATENT ASSIGNEE(S): Arichi, Shigeru, Japan
SOURCE: Brit. UK Pat. Appl., 10 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2035082	A	19800618	GB 1979-17643	19790521
IL 55051	A1	19830331	IL 1978-55051	19780630
PRIORITY APPLN. INFO.:			GB 1978-27984	19780627

L5 ANSWER 172 OF 181 CAPLUS COPYRIGHT 2002 ACS
AB **Compns.** contg. **ginsenoside** Ro (I) [34367-04-9] are prophylactic and therapeutic agents for thrombosis. As an example, tablets were prepd. contg. I and lactose (20 mg I/tablet).
ACCESSION NUMBER: 1983:78132 CAPLUS
DOCUMENT NUMBER: 98:78132
TITLE: Antithrombotic pharmaceuticals containing **ginsenoside** Ro
PATENT ASSIGNEE(S): Nikan Korai Jinsen K. K., S. Korea; Kubo, Michinori
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57163315	A2	19821007	JP 1981-49668	19810401
JP 62013927	B4	19870330		

L5 ANSWER 165 OF 181 CAPLUS COPYRIGHT 2002 ACS
AB To elucidate the effect of **ginsenoside**-Rb2 (I) [11021-13-9] on lipid metab., a time course expt. was carried out in rats. The 1st phenomenon obsd. was a stimulation of glucose 6-phosphate dehydrogenase [9001-40-5] activity beginning 4 h after the administration of I. At this time, a slight increase of acetyl-CoA carboxylase [9023-93-2] activity

was obsd., and a significant increase was noted 16 h after treatment.
The max. increase in malic enzyme [9028-47-1] activity was obsd. at 12 h.
An increase in the lipolytic activity of lipoprotein lipase [9004-02-8] was obsd. 4 h after the i.p. administration of I, reaching a max. (262%) 16 h after treatment, whereas a repressive effect was obsd. on the hormone-sensitive lipase [9001-62-1] activity throughout the exptl. period. Administration of I to rats also increased the triglyceride content in adipose tissue. I apparently causes the accumulation of triglyceride in adipose tissue as a result of its stimulating action on the lipogenic pathway.

ACCESSION NUMBER: 1985:72699 CAPLUS
DOCUMENT NUMBER: 102:72699
TITLE: Stimulation of the lipogenic pathway in **ginsenoside**-Rb2 treated rats
AUTHOR(S): Yokozawa, Takako; Kobayashi, Taeko; Kawai, Akiko; Oura, Hikokichi; Kawashima, Yuji
CORPORATE SOURCE: Res. Inst. Wakan-Yaku, Toyama Med. Pharm. Univ., Toyama, 930, Japan
SOURCE: Chem. Pharm. Bull. (1984), 32(11), 4490-6
CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 158 OF 181 CAPLUS COPYRIGHT 2002 ACS
AB Pharmaceuticals contain **ginsenoside** Rb1 and/or **ginsenoside** Rg1 which stimulates the formation of glucocorticoids in patients with adrenal cortex disorders. Thus, a powdery medication consists of lactose 2000, **ginsenoside** Rb1 200, and a starch 1000 g. The efficacy of this medication in patients was demonstrated.

ACCESSION NUMBER: 1986:485198 CAPLUS
DOCUMENT NUMBER: 105:85198
TITLE: Medications containing **ginsenosides** for the enhancement of adrenocorticotrophic hormones
INVENTOR(S): Yuchi, Shigeru
PATENT ASSIGNEE(S): Osaka Yakuhin Kenkyusho K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61030599	A2	19860212	JP 1984-153746	19840723

L5 ANSWER 153 OF 181 CAPLUS COPYRIGHT 2002 ACS
AB The title **compn.** comprises ferulic acid 15-60, **ginsenoside** 5-50, anethole 20-65, and Na cinnamate 15-60% by wt. Thus, ferulic acid was extd. from *Levisticum officinale* using hot water and EtOH, and purified by column chromatog. **Ginsenoside** was extd. with EtOH from dried ginseng powder. Anethole was sepd. from fennel oil by fractional distn. A **compn.** contg. ferulic acid 25, **ginsenoside** 20, anethole 30, and Na cinnamate 25% by wt. improved a survival rate of chick myocardial cells treated with adriamycin.

ACCESSION NUMBER: 1987:90200 CAPLUS
DOCUMENT NUMBER: 106:90200

TITLE: Pharmaceutical **composition** decreasing the side effects of anticancer chemotherapy and increasing the immune function

INVENTOR(S): Liu, Yaguang

PATENT ASSIGNEE(S): USA

SOURCE: Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 201784	A2	19861120	EP 1986-105751	19860425
EP 201784	A3	19871202		
EP 201784	B1	19901205		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4687761	A	19870818	US 1985-732146	19850509
AT 58837	E	19901215	AT 1986-105751	19860425
US 4945115	A	19900731	US 1987-63433	19870618
PRIORITY APPLN. INFO.:			US 1985-732146	19850509
			EP 1986-105751	19860425

L5 ANSWER 152 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB A pharmaceutical **compn.** for treating nonlymphatic leukemia, such as granulocytic and monocytic leukemia, comprises harringtonine, homoharringtonine, anethole, oleanolic acid, and **ginsenoside**. Thus, harringtonine and homoharringtonine were extd. and purified from *Cephalotaxus fortunei*. Anethole was extd. from grafted fennel and oleanolic acid from fruits of *Ligustrum lucidum*. A **compn.** having antileukemic activity without cardiotoxicity and damage to hematopoietic organs comprised harringtonine 0.05-2.0, homoharringtonine 0.02-1.0, anethole 10.0-90.0, oleanolic acid 1.0-50.0, and **ginsenoside** 5.0-50.0% by wt. A survival rate of chicken myocardial cells was improved with the **compn.**, compared to a **compn.** with harringtonine and homoharringtonine only.

ACCESSION NUMBER: 1987:90209 CAPLUS

DOCUMENT NUMBER: 106:90209

TITLE: Pharmaceutical **composition** for treating nonlymphatic leukemia and its components

INVENTOR(S): Liu, Yaguang

PATENT ASSIGNEE(S): USA

SOURCE: Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 203386	A2	19861203	EP 1986-105750	19860425
EP 203386	A3	19871202		
EP 203386	B1	19911113		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4675318	A	19870623	US 1985-737949	19850528
AT 69379	E	19911115	AT 1986-105750	19860425
US 4783454	A	19881108	US 1987-50852	19870514

US 4808629	A	19890228	US 1987-62073	19870514
PRIORITY APPLN. INFO.:			US 1985-737949	19850528
			EP 1986-105750	19860425

L5 ANSWER 144 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AB **Ginsenoside**-Rb2 decreased glucose in the hepatic tissue of diabetic rats. The level of hepatic glycogen increased slightly after **ginsenoside**-Rb2 administration. The glucose-6-phosphate level tended to increase, the pyruvate level was unchanged, and the lactate level tended to decrease. There was, however, no accumulation of total lipid in hepatic tissue. The levels of triglyceride, nonesterified fatty acid, 3-hydroxybutyrate, and acetoacetate were markedly decreased, showing a trend toward restoration of the normal state and inducing an increase in lipids in the adipose tissue. The hypoglycemic action of **ginsenoside**-Rb2 is discussed on the basis of these results.

ACCESSION NUMBER: 1988:143247 CAPLUS
 DOCUMENT NUMBER: 108:143247
 TITLE: Effect of serial administration of **ginsenoside**-Rb2 in diabetic rats: in terms of carbohydrate and lipid metabolites
 AUTHOR(S): Yokozawa, Takako; Oura, Hikokichi; Kawashima, Yuji
 CORPORATE SOURCE: Res. Inst. Wakan-Yaku, Toyama Med. Pharm. Univ., Toyama, 930-01, Japan
 SOURCE: Chem. Pharm. Bull. (1987), 35(12), 4872-7
 CODEN: CPBTAL; ISSN: 0009-2363
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L5 ANSWER 131 OF 181 CAPLUS COPYRIGHT 2002 ACS
 AB Complexes of saponins with a natural or synthetic phospholipids are highly lipophilic and have improved bioavailability. They are used as active ingredients in pharmaceutical, dermatol., and cosmetic **compsns**. Sericoside (3.3 g) was treated with 4 g distearoylphosphatidylcholine to give a sericoside-distearoylphosphatidylcholine complex. This complex was more active than sericoside in the carrageenin edema test in rats, orally (no data). A gel contained sericoside-soy phosphatidylcholine (Lipoid S-100) 1.5, Kathon 0.1, imidazolidinurea 0.3, ethoxylated C8-C12 triglycerides 25, polyoxyethylene-20-deiletere 6, carboxyvinyl polymer 1.5, triethanolamine 2, perfume 0.2, and water 63.4 g.

ACCESSION NUMBER: 1989:412504 CAPLUS
 DOCUMENT NUMBER: 111:12504
 TITLE: Complexes of saponins with phospholipids and pharmaceutical and cosmetic **compositions** containing them
 INVENTOR(S): Bombardelli, Ezio; Patri, Gian Franco; Pozzi, Roberto
 PATENT ASSIGNEE(S): Indena S.p.A., Italy
 SOURCE: Eur. Pat. Appl., 9 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 283713	A2	19880928	EP 1988-102321	19880218

EP 283713	A3	19900307		
EP 283713	B1	19930811		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 92930	E	19930815	AT 1988-102321	19880218
ES 2058151	T3	19941101	ES 1988-102321	19880218
JP 63277691	A2	19881115	JP 1988-43269	19880225
PRIORITY APPLN. INFO.:			IT 1987-19496	19870226
			EP 1988-102321	19880218

L5 ANSWER 119 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB **Ginsenosides** Rg, Rb, Rg1, Rb1 all inhibit rat kidney microsome Na⁺,K⁺-ATPase activity in vitro and their IC₅₀ were 402, 74 .mu.g/mL, 15 and 50 .mu.mol/L, resp. **Ginsenosides** Rb, Rg1, and Rb1 were reversible inhibitors of Na⁺,K⁺-ATPase. K⁺ antagonized the inhibitory effect of Rg1 and Rb1, but Na⁺ did not. Kinetic anal. revealed that both Rg1 and Rb1 are uncompetitive inhibitors with respect to ATP and competitive inhibitors with respect to K⁺.

ACCESSION NUMBER: 1990:565128 CAPLUS
DOCUMENT NUMBER: 113:165128
TITLE: Inhibitory effects of some **ginsenosides** on rat kidney microsome sodium, potassium-ATPase activity
AUTHOR(S): Zheng, Yuqun; Cao, Jin; Liu, Tianpei; Pan, Xinxin
CORPORATE SOURCE: Dep. Pharmacol., Nanjing Med. Coll., Nanjing, 210005, Peop. Rep. China
SOURCE: Zhongguo Yaolixue Yu Dulixue Zazhi (1990), 4(2), 142-5
CODEN: ZYYZEW; ISSN: 1000-3002
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L5 ANSWER 116 OF 181 CAPLUS COPYRIGHT 2002 ACS

AB **Ginsenosides** Rb1 (I) and Rg1 (II) enhance the availability of acetylcholine (III) in the cortical and hippocampal regions of the brain and alleviate the symptoms of Alzheimer-type senile dementia. I or II may

be administered together with a metabolic precursor for III and/or with a cholinesterase inhibitor. Pure I is isolated from a mixt. of **ginsenosides** using vacuum chromatog. on silica gel. Prepn. of a mixt. enriched in I is also described. Thus, addn. of I increased the release of tritiated III from synaptosomes preincubated with tritiated choline. I and II did not stimulate release of III by nonselective depolarization of nerve endings. I stimulated release of III from hippocampal tissue in the presence or absence of Ca. Stimulation of release of III by I was further characterized.

ACCESSION NUMBER: 1991:17584 CAPLUS
DOCUMENT NUMBER: 114:17584
TITLE: **Ginsenosides** Rb1 and Rg1 in **composition** and method for treatment of Alzheimer-type senile dementia, and purification and enrichment of **ginsenoside** Rb1
INVENTOR(S): Pang, Peter K. T.; Wang, Lawrence C. H.; Benishin, Christina G.; Liu, Hsing J.
PATENT ASSIGNEE(S): Can.
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9008315	A1	19900726	WO 1990-US121	19900112
W: AT, AU, BB, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MW, NL, NO, RO, SD, SE, SU, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
US 4966893	A	19901030	US 1989-297012	19890113
CA 2046328	AA	19900714	CA 1990-2046328	19900112
AU 9050859	A1	19900813	AU 1990-50859	19900112
EP 453515	A1	19911030	EP 1990-903065	19900112
EP 453515	B1	19980401		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
JP 04504414	T2	19920806	JP 1990-503238	19900112
AT 164678	E	19980415	AT 1990-903065	19900112
US 5137878	A	19920811	US 1991-768423	19910913
PRIORITY APPLN. INFO.:			US 1989-297012	19890113
			WO 1990-US121	19900112

L5 ANSWER 110 OF 181 CAPLUS COPYRIGHT 2002 ACS
AB In comparison with non-diabetic rats, the tissue ATP content of diabetic rats is lower and the AMP content higher. Daily i.p. administration of **ginsenoside**-Rb2 for several days increased tissue ATP content, decreased AMP content, increased adenine nucleotide content, and improved energy charge. Thus, **ginsenoside**-Rb2 changes the pattern of metab. by activating the ATP supply system.

ACCESSION NUMBER: 1991:441724 CAPLUS
DOCUMENT NUMBER: 115:41724
TITLE: Effects of **ginsenoside**-Rb2 on adenine nucleotide content of rat hepatic tissue
AUTHOR(S): Yokozawa, Takako; Fujitsuka, Naoki; Yasui, Teruhito; Oura, Hikokichi
CORPORATE SOURCE: Res. Inst. Wakan-Yaku, Toyama Med. Pharm. Univ., Toyama, 930-01, Japan
SOURCE: J. Pharm. Pharmacol. (1991), 43(4), 290-1
CODEN: JPPMAB; ISSN: 0022-3573
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 100 OF 181 CAPLUS COPYRIGHT 2002 ACS
AB Single channel activity of type B Ca²⁺ channel was recorded on single ventricular myocytes of Wistar rats. **Ginsenoside** Rb1 (250. μ g/mL) inhibited the activity of single type B Ca²⁺ channel with the mechanism that **ginsenoside** Rb1 decreased the open-state probability and shortened the open time of Ca²⁺ channel, without influencing the amplitude of the ionic current flow through the opening Ca²⁺ channel.

ACCESSION NUMBER: 1992:604832 CAPLUS
DOCUMENT NUMBER: 117:204832
TITLE: The blockade action of **ginsenoside** Rb1 on calcium channels and a single channel analysis of its mechanism
AUTHOR(S): Zhong, Guogan; Li, Yunyi; Jiang, Yan; An, Gang; Shao, Chunjie
CORPORATE SOURCE: Dep. Physiol., Norman Bethune Univ. Med. Sci., Changchun, Peop. Rep. China
SOURCE: Baiqiuen Yike Daxue Xuebao (1992), 18(2), 129-31
CODEN: PEIPDB; ISSN: 0253-3707
DOCUMENT TYPE: Journal

LANGUAGE: Chinese

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

287.03

287.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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